

Converting Colors

XYZ(77.8046, 100.0000,
97.7089)

Have a look what the booklet for
XYZ(77.8046, 100.0000, 97.7089)
contains.

| | |
|--|----|
| XYZ(71.9817, 88.3761, 95.7025) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(71.9817, 88.3761,
95.7025)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BBFFF0 |
| RGB | 187, 255, 240 |
| RGB Percent | 73%, 100%, 94% |
| CMY | 0.2667, 0.0000, 0.0588 |
| CMYK | 0.27, 0.00, 0.06, 0.00 |
| HSL | 167°, 100%, 87% |
| HSV | 167°, 27%, 100% |
| XYZ | 71.9817, 88.3761, 95.7025 |
| YIQ | 232.9580, -35.7130, -19.0810 |

Conversions

Conversions Part 2

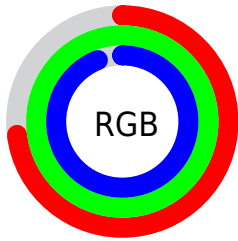
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 187, 225, 255 |
| Decimal | 12320752 |
| CIELab | 95.32, -24.07, 0.35 |
| CIElCh | 95, 24.071, 179.169 |
| Yxy | 88.3761, 0.2811, 0.3451 |
| Android (android.graphics.Color) | 4290510832 (0xFFBBFFF0) |
| YUV | 232.9580, 3.4717, -40.3052 |
| Hunter-Lab | 94.0086, -27.8388, 5.4477 |

Details

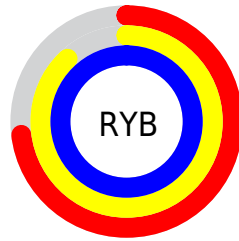
The XYZ color **71.9817, 88.3761, 95.7025** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6717, 61.0661, 63.9925**, and the grayscale version is **77.4143, 81.4459, 88.6946**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.3615, 48.7544, 52.7361** is the 20% darker color. If you saturate the color by 10%, you get **65.4650, 85.1116, 91.1042**, and if you desaturate by 10%, it is **79.6338, 92.2228, 100.4920**.

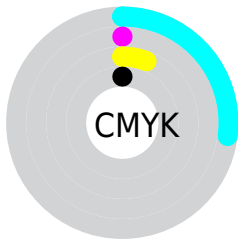
Distribution



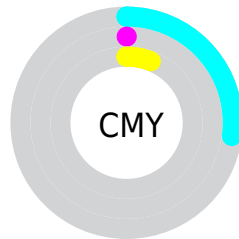
- Red (73%)
- Green (100%)
- Blue (94%)



- Red (73%)
- Yellow (88%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9817, 88.3761, 95.7025 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 71.9817, 88.3761, 95.7025 by changing the saturation by 10% instead.


 71.9817, 88.3761,
95.7025

 71.9817, 88.3761,
95.7025


456.6365,
522.7341, 567.4532

 53.4291, 66.6346,
72.1197

 121.0415,
145.0807, 157.2387

 38.3743, 48.7877,
52.7690


152.2794,
180.8125, 196.0292

 26.4519, 34.4511,
37.2320


188.4764,
221.9765, 240.7259

 17.2964, 23.2404,
25.0899

229.9980,
268.9572, 291.7475

 10.5427, 14.7711,
15.9244

277.2094,
322.1389, 349.5125

 5.8252, 8.6589,
9.3169

330.4761,

 2.7788, 4.5194,

381.9060, 414.4395

4.8488

390.1633,
448.6430, 486.9468

■ 1.0379, 1.9681,
2.1017

■ 0.0000, 0.5889,
0.6168

■ 71.9817, 88.3761,
95.7025

■ 71.9817, 88.3761,
95.7025

■ 65.4650, 85.1116,
91.1042

■ 79.6338, 92.2228,
100.4920

■ 60.0221, 82.3978,
86.6887

■ 88.4730, 96.6785,
105.4721

■ 55.5897, 80.2020,
82.4533

95.0500, 100.0000,
108.9000

■ 52.0966, 78.4874,
78.3934

■ 49.4620, 77.2126,
74.5040

■ 47.5913, 76.3287,
70.7794

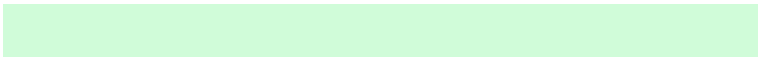
■ 46.3656, 75.7745,
67.2126

■ 46.0403, 75.6321,
66.0554

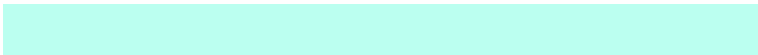
Harmonies

Analogous

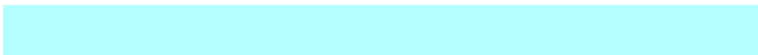
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6043, 88.3761, 78.8382



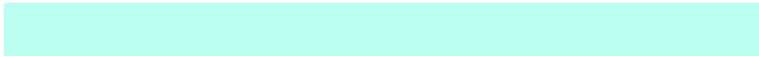
71.9817, 88.3761, 95.7025



73.4366, 88.3761, 114.9734

Triad

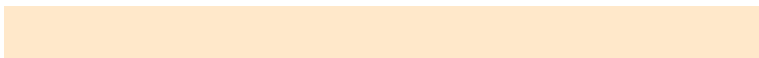
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9817, 88.3761, 95.7025



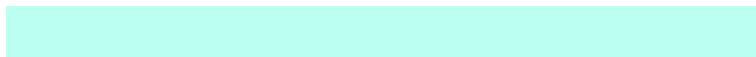
90.3123, 88.3761, 131.4292



90.6459, 88.3761, 68.3653

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



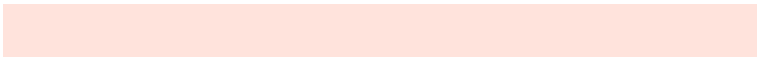
71.9817, 88.3761, 95.7025



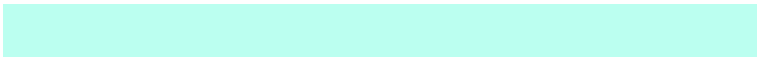
69.6717, 61.0661, 63.9925

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5282, 88.3761, 79.6370



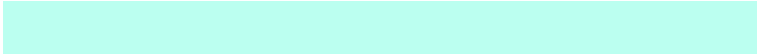
71.9817, 88.3761, 95.7025



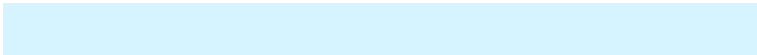
95.3286, 88.3761, 116.0003

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9817, 88.3761, 95.7025



83.8156, 88.3761, 137.1579



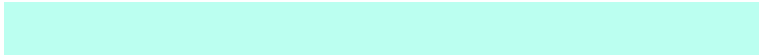
97.2841, 88.3761, 96.7525



84.1823, 88.3761, 64.3749

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.9817, 88.3761, 95.7025



76.0013, 88.3761, 126.3031



97.2841, 88.3761, 96.7525



92.5386, 88.3761, 71.3493

Sweetspot

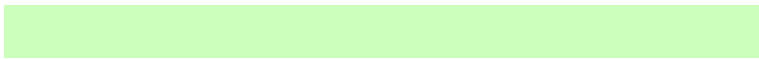
The Sweet Spot groups the original color and five complimentary colors.



71.9826, 88.3765, 95.7040



87.2229, 96.0477, 104.7963



69.3228, 87.7861, 60.3059



18.3733, 20.4088, 22.2685



0.0000, 0.0000, 0.0000



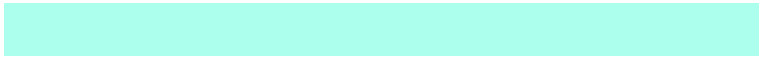
20.3446, 21.4041, 23.3091

Same Dimension

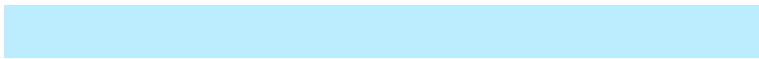
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9826, 88.3765, 95.7040



68.3684, 86.5644, 93.2271



68.7900, 78.2767, 106.0910



18.3733, 20.4088, 22.2685



24.1155, 39.5428, 34.8229



2.3884, 3.8663, 3.6029

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.6717, 61.0661, 63.9925



65.7083, 55.0799, 56.6888



72.0736, 68.5754, 56.4529



18.1734, 18.0527, 19.5301



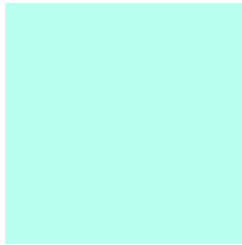
21.9700, 11.2773, 3.2266



2.1778, 1.1135, 0.5178

Previews

White Background



This preview shows how the XYZ color 71.9817, 88.3761, 95.7025 looks on a white background.

Color Contrast Check

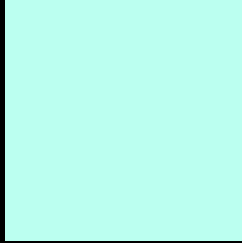
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 71.9817, 88.3761, 95.7025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9817, 88.3761, 95.7025

Background



This preview shows how black text looks on a background with the XYZ color 71.9817, 88.3761, 95.7025.



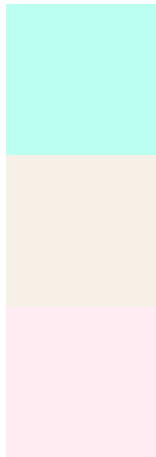
This preview shows how white text looks on a background with the XYZ color 71.9817, 88.3761,

95.7025.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.9817, 88.3761, 95.7025

Protanopia

83.9417, 87.8639, 88.1365

Deuteranopia

87.4131, 87.7220, 97.1189



Tritanopia

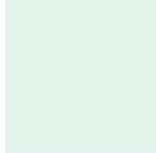
80.2176, 87.7405, 107.3154

Trichromacy



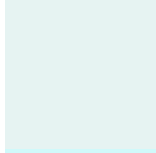
Original Color

71.9817, 88.3761, 95.7025



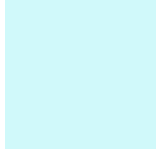
Protanomaly

78.5550, 87.2529, 90.5431



Deuteranomaly

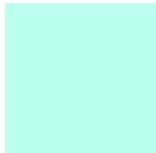
80.7107, 87.3350, 96.6078



Tritanomaly

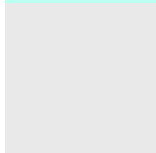
77.1434, 88.0634, 103.3745

Monochromacy



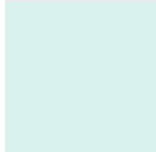
Original Color

71.9817, 88.3761, 95.7025



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.9145, 83.5657, 91.5382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9817, 88.3761, 95.7025 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 71.9817, 88.3761, 95.7025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

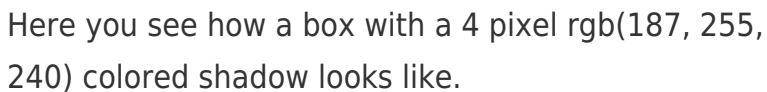
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 255, 240) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 255, 240) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(187, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9817, 88.3761, 95.7025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187,  
255, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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