

Converting Colors

XYZ(77.4375, 100.0000,
99.8055)

Have a look what the booklet for
XYZ(77.4375, 100.0000, 99.8055)
contains.

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Color

**XYZ(71.4661, 88.0583,
98.0243)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFF3
RGB	183, 255, 243
RGB Percent	72%, 100%, 95%
CMY	0.2823, 0.0000, 0.0471
CMYK	0.28, 0.00, 0.05, 0.00
HSL	170°, 100%, 86%
HSV	170°, 28%, 100%
XYZ	71.4661, 88.0583, 98.0243
YIQ	232.1040, -39.0600, -18.9960

Conversions

Conversions Part 2

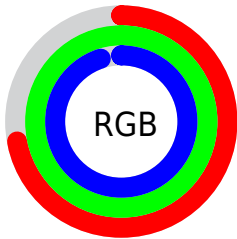
Format	Color
R_{YB}	183, 222, 255
Decimal	12058611
CIE _{Lab}	95.19, -24.58, -1.42
CIE _{LCh}	95, 24.625, 183.302
Yxy	88.0583, 0.2775, 0.3419
Android (android.graphics.Color)	4290248691 (0xFFB7FFF3)
YUV	232.1040, 5.3717, -43.0642
Hunter-Lab	93.8394, -28.2771, 3.7534

Details

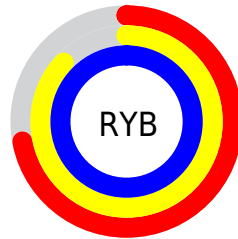
The XYZ color **71.4661, 88.0583, 98.0243** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68.0246, 59.0684, 59.4466**, and the grayscale version is **76.7615, 80.7591, 87.9467**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **38.0658, 48.5652, 54.3815** is the 20% darker color. If you saturate the color by 10%, you get **65.3064, 84.9562, 94.4258**, and if you desaturate by 10%, it is **78.7414, 91.7339, 101.7555**.

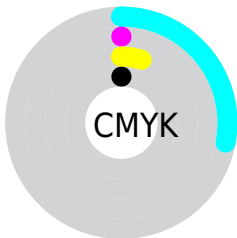
Distribution



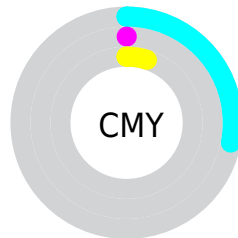
- Red (72%)
- Green (100%)
- Blue (95%)



- Red (72%)
- Yellow (87%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4661, 88.0583, 98.0243 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 71.4661, 88.0583, 98.0243 by changing the saturation by 10% instead.


 71.4661, 88.0583,
98.0243

 71.4661, 88.0583,
98.0243


454.8677,
521.6941, 575.0321

 53.0066, 66.3714,
74.0439


 120.3121,
144.6383, 160.4676

 38.0355, 48.5739,
54.3330


151.4292,
180.3002, 199.7676

 26.1876, 34.2816,
38.4729


187.4963,
221.3891, 245.0111

 17.0974, 23.1100,
26.0453

228.8786,
268.2896, 296.6169

 10.3997, 14.6748,
16.6315

275.9415,
321.3859, 355.0033

 5.7291, 8.5914,
9.8129

329.0505,

 2.7201, 4.4757,

381.0625, 420.5889

5.1711

388.5707,
447.7038, 493.7924

■ 1.0076, 1.9430,
2.2875

■ 0.0000, 0.5741,
0.7242

■ 71.4661, 88.0583,
98.0243

■ 71.4661, 88.0583,
98.0243

■ 65.3064, 84.9562,
94.4258

■ 78.7414, 91.7339,
101.7555

■ 60.1998, 82.3952,
90.9521

■ 87.1844, 96.0096,
105.6179

■ 56.0823, 80.3425,
87.6013

95.0500, 100.0000,
108.9000

■ 52.8816, 78.7607,
84.3693

■ 50.5151, 77.6073,
81.2519

■ 48.8856, 76.8321,
78.2438

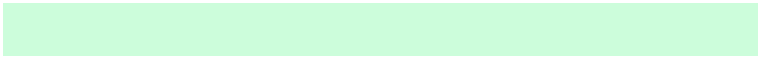
■ 47.8590, 76.3661,
75.3384

■ 47.7074, 76.2990,
74.8344

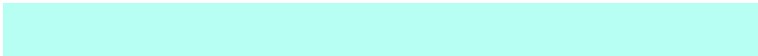
Harmonies

Analogous

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



72.6918, 88.0583, 80.2193



71.4661, 88.0583, 98.0243



73.3703, 88.0583, 117.6316

Triad

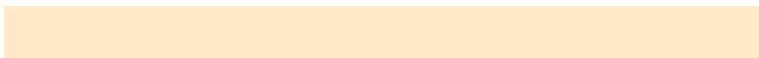
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4661, 88.0583, 98.0243



90.9820, 88.0583, 130.1962



89.6282, 88.0583, 66.5142

Complementary

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



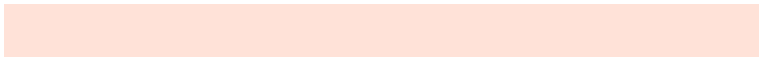
71.4661, 88.0583, 98.0243



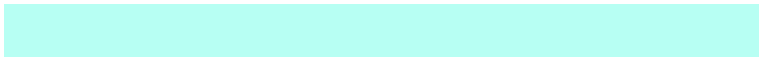
68.0246, 59.0684, 59.4466

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.



94.9494, 88.0583, 76.9910



71.4661, 88.0583, 98.0243



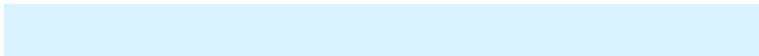
95.7599, 88.0583, 113.4579

Square

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



71.4661, 88.0583, 98.0243



84.4420, 88.0583, 137.7008



97.2489, 88.0583, 93.7682



82.9559, 88.0583, 63.5212

Rectangle

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



71.4661, 88.0583, 98.0243



76.2211, 88.0583, 128.6619



97.2489, 88.0583, 93.7682



91.6459, 88.0583, 69.2016

Sweetspot

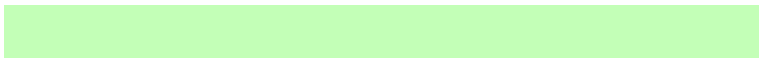
The Sweet Spot groups the original color and five complimentary colors.



71.4671, 88.0588, 98.0258



87.3964, 96.1171, 105.7099



66.8139, 86.5415, 57.9841



18.4172, 20.4264, 22.5000



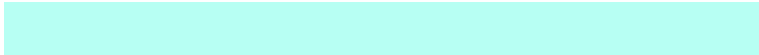
0.0000, 0.0000, 0.0000



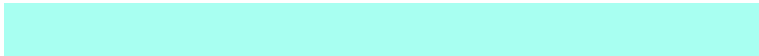
20.3446, 21.4041, 23.3091

Same Dimension

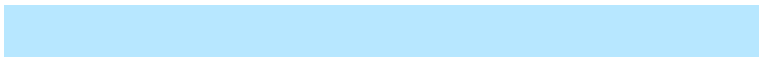
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4671, 88.0588, 98.0258



67.7827, 86.2019, 95.9344



66.1554, 74.4401, 105.4893



18.4172, 20.4264, 22.5000



24.9763, 39.8871, 39.3559



2.4648, 3.8969, 4.0057

Inverse Universe

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



68.0246, 59.0684, 59.4466



63.8192, 52.7846, 51.4874



72.1009, 69.3057, 54.3786



18.1328, 18.0365, 19.3167



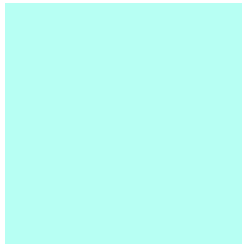
21.8078, 11.2124, 2.3722



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 71.4661, 88.0583, 98.0243 looks on a white background.

Color Contrast Check

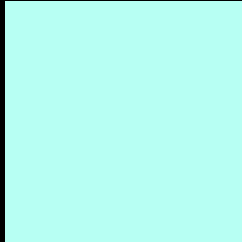
Large Text (above 18pt) WCAG AA × Fail

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 71.4661, 88.0583, 98.0243 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

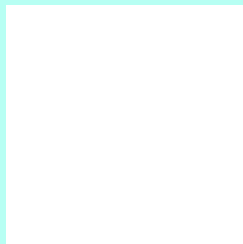
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4661, 88.0583, 98.0243

Background



This preview shows how black text looks on a background with the XYZ color 71.4661, 88.0583, 98.0243.

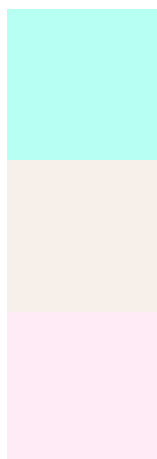


This preview shows how white text looks on a background with the XYZ color 71.4661, 88.0583,

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

71.4661, 88.0583, 98.0243

Protanopia

83.7238, 87.2663, 90.2733

Deuteranopia

87.5829, 87.3305, 99.4291



Tritanopia

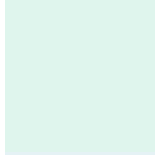
79.6158, 87.4302, 107.2873

Trichromacy



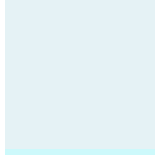
Original Color

71.4661, 88.0583, 98.0243



Protanomaly

78.3699, 87.1072, 92.8036



Deuteranomaly

80.5467, 86.7548, 98.8863



Tritanomaly

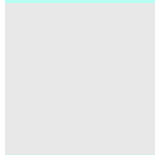
76.4651, 87.6955, 104.1636

Monochromacy



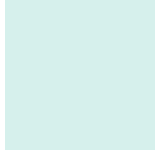
Original Color

71.4661, 88.0583, 98.0243



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.0320, 82.6724, 91.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4661, 88.0583, 98.0243 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(183, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 243)  
}
```

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(183, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 71.4661, 88.0583, 98.0243 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(183, 255, 243) }
```


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

```
.border{ border-color:rgb(183, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 255, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 255, 243); box-shadow:4px 4px 4px 4px rgb(183, 255, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4661, 88.0583, 98.0243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 243) }
```

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

```
.background{ background-color: rgb(183,  
255, 243) }
```

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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