

Converting Colors

XYZ(70.8350, 87.2078, 95.8711)

Have a look what the booklet for
XYZ(70.8350, 87.2078, 95.8711)
contains.

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Color

**XYZ(70.9372, 87.3652,
95.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FEF0
RGB	184, 254, 240
RGB Percent	72%, 100%, 94%
CMY	0.2784, 0.0039, 0.0588
CMYK	0.28, 0.00, 0.06, 0.00
HSL	168°, 97%, 86%
HSV	168°, 28%, 100%
XYZ	70.9372, 87.3652, 95.5625
YIQ	231.4740, -37.2260, -19.1940

Conversions

Conversions Part 2

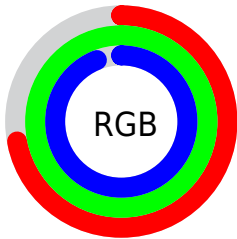
Format	Color
RYB	184, 223, 254
Decimal	12123888
CIELab	94.89, -24.45, -0.29
CIELCh	95, 24.449, 180.685
Yxy	87.3652, 0.2794, 0.3441
Android (android.graphics.Color)	4290313968 (0xFFB8FEF0)
YUV	231.4740, 4.2033, -41.6347
Hunter-Lab	93.4694, -28.1014, 4.8108

Details

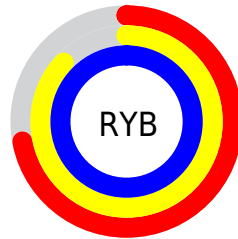
The XYZ color **70.9372, 87.3652, 95.5625** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2097, 59.4315, 61.3061**, and the grayscale version is **76.3003, 80.2739, 87.4183**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.6712, 48.0603, 52.6385** is the 20% darker color. If you saturate the color by 10%, you get **64.6467, 84.2106, 91.3844**, and if you desaturate by 10%, it is **78.3463, 91.0985, 99.9071**.

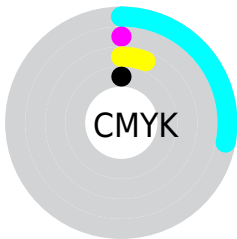
Distribution



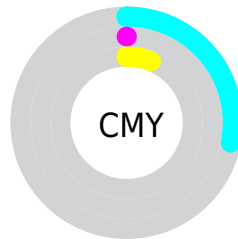
- Red (72%)
- Green (100%)
- Blue (94%)



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



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9372, 87.3652, 95.5625 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 70.9372, 87.3652, 95.5625 by changing the saturation by 10% instead.


 70.9372, 87.3652,
95.5625

 70.9372, 87.3652,
95.5625


453.0491,
519.4222, 566.9945

 52.5733, 65.7975,
72.0038

 119.5633,
143.6731, 157.0437

 37.6884, 48.1080,
52.6749


150.5562,
179.1820, 195.8033

 25.9170, 33.9124,
37.1574


186.4895,
220.1067, 240.4670

 16.8939, 22.8263,
25.0326

227.7285,
266.8318, 291.4532

 10.2537, 14.4653,
15.8821

274.6387,
319.7414, 349.1805

 5.6311, 8.4450,
9.2873

327.5852,

 2.6606, 4.3810,

379.2201, 414.0674

4.8297

386.9336,
445.6522, 486.5326

■ 0.9769, 1.8889,
2.0907

■ 0.0000, 0.5417,
0.6102

■ 70.9372, 87.3652,
95.5625

■ 70.9372, 87.3652,
95.5625

■ 64.6467, 84.2106,
91.3844

■ 78.3463, 91.0985,
99.9071

■ 59.4086, 81.5938,
87.3631

■ 86.9207, 95.4279,
104.4155

■ 55.1613, 79.4855,
83.4967

■ 94.7333, 99.3666,
108.7944

■ 51.8336, 77.8488,
79.7810

■ 49.3447, 76.6421,
76.2113

■ 47.5992, 75.8164,
72.7822

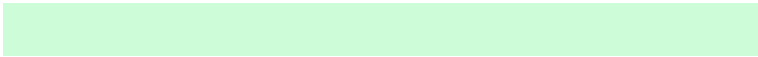
■ 46.4722, 75.3072,
69.4869

■ 46.2460, 75.2077,
68.7007

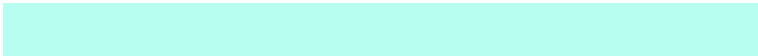
Harmonies

Analogous

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



72.4157, 87.3652, 78.3536



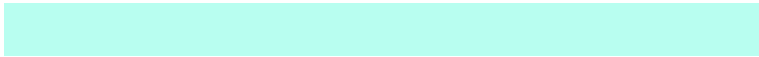
70.9372, 87.3652, 95.5625



72.5547, 87.3652, 114.9903

Triad

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



70.9372, 87.3652, 95.5625



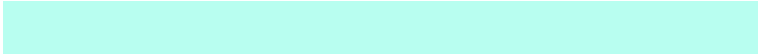
89.7117, 87.3652, 130.0872



89.4344, 87.3652, 66.7223

Complementary

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



70.9372, 87.3652, 95.5625



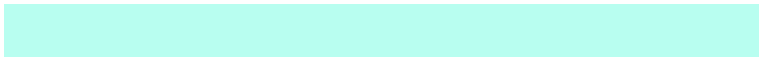
68.2097, 59.4315, 61.3061

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.



94.4853, 87.3652, 77.6919



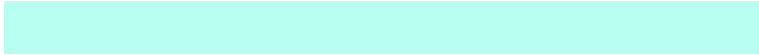
70.9372, 87.3652, 95.5625



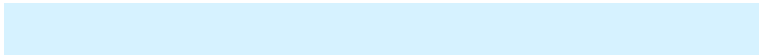
94.6514, 87.3652, 114.1355

Square

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



70.9372, 87.3652, 95.5625



83.1903, 87.3652, 136.4810



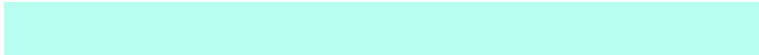
96.4422, 87.3652, 94.6905



82.8859, 87.3652, 63.1026

Rectangle

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



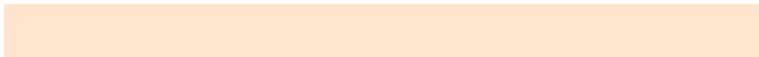
70.9372, 87.3652, 95.5625



75.2234, 87.3652, 126.2447



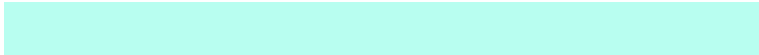
96.4422, 87.3652, 94.6905



91.3759, 87.3652, 69.5935

Sweetspot

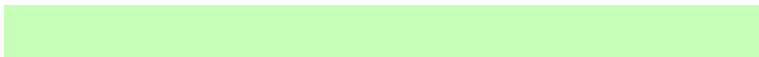
The Sweet Spot groups the original color and five complimentary colors.



70.9397, 87.3688, 95.5645



87.2889, 96.0741, 105.1436



67.6937, 86.5129, 58.4799



18.3900, 20.4155, 22.3565



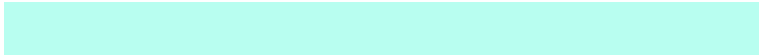
0.0000, 0.0000, 0.0000



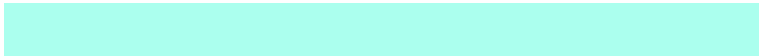
20.3446, 21.4041, 23.3091

Same Dimension

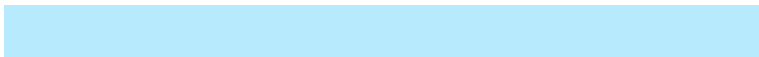
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9397, 87.3688, 95.5645



67.9791, 86.3440, 94.1007



67.1296, 76.2898, 104.9572



18.3900, 20.4155, 22.3565



24.4346, 39.6704, 36.5033



2.4168, 3.8777, 3.7528

Inverse Universe

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



68.2097, 59.4315, 61.3061



64.8176, 53.9464, 54.3945



71.0810, 67.6408, 54.6587



18.1579, 18.0465, 19.4487



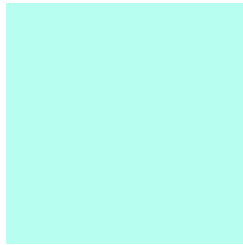
21.9028, 11.2504, 2.8727



2.1692, 1.1100, 0.4724

Previews

White Background



This preview shows how the XYZ color 70.9372, 87.3652, 95.5625 looks on a white background.

Color Contrast Check

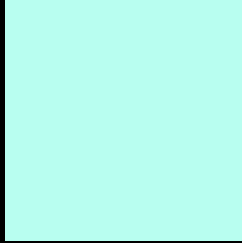
Large Text (above 18pt) WCAG AA × Fail

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 70.9372, 87.3652, 95.5625 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

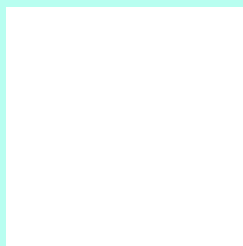
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9372, 87.3652, 95.5625

Background



This preview shows how black text looks on a background with the XYZ color 70.9372, 87.3652, 95.5625.



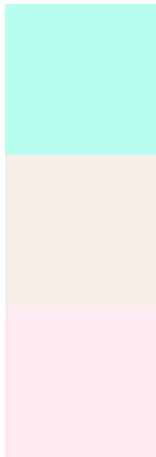
This preview shows how white text looks on a background with the XYZ color 70.9372, 87.3652,

95.5625.

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

70.9372, 87.3652, 95.5625

Protanopia

83.0044, 86.5114, 87.9249

Deuteranopia

86.8405, 86.5767, 96.9280



Tritanopia

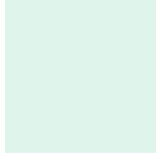
79.3177, 87.2765, 107.2733

Trichromacy



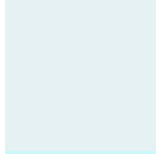
Original Color

70.9372, 87.3652, 95.5625



Protanomaly

77.6334, 86.3299, 90.4135



Deuteranomaly

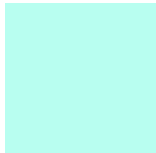
79.7954, 85.9794, 96.3944



Tritanomaly

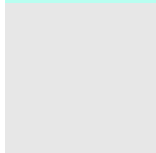
75.9996, 87.0161, 103.2327

Monochromacy



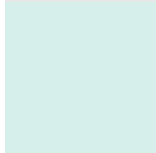
Original Color

70.9372, 87.3652, 95.5625



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4493, 81.9697, 89.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9372, 87.3652, 95.5625 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(184, 254, 240)` looks like.

```
.text, #text, p{  
    color:rgb(184, 254, 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(184, 254, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 254, 240) }
```

Border

The CSS property to change the border of an element to XYZ 70.9372, 87.3652, 95.5625 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(184, 254, 240) }
```


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

```
.border{ border-color:rgb(184, 254, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 254, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 254, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 254, 240);  
box-shadow:4px 4px 4px 4px rgb(184, 254,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9372, 87.3652, 95.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 254, 240) }
```

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

```
.background{ background-color: rgb(184,  
254, 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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