

Converting Colors

XYZ(50.7535, 70.2709, 95.0901)

Have a look what the booklet for
XYZ(50.7535, 70.2709, 95.0901)
contains.

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Color

**XYZ(50.6398, 70.0751,
94.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	55EFF2
RGB	85, 239, 242
RGB Percent	33%, 94%, 95%
CMY	0.6666, 0.0627, 0.0510
CMYK	0.65, 0.01, 0.00, 0.05
HSL	181°, 86%, 64%
HSV	181°, 65%, 95%
XYZ	50.6398, 70.0751, 94.8613
YIQ	193.2960, -92.7470, -31.7150

Conversions

Conversions Part 2

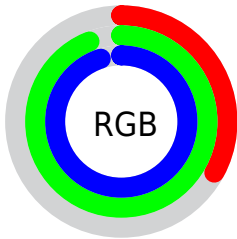
Format	Color
R _{YB}	85, 163, 242
Decimal	5631986
CIE Lab	87.03, -38.77, -13.37
CIE LCh	87, 41.011, 199.032
Yxy	70.0751, 0.2349, 0.3251
Android (android.graphics.Color)	4283822066 (0xFF55EFF2)
YUV	193.2960, 24.0111, -94.9756
Hunter-Lab	83.7109, -38.5128, -8.5899

Details

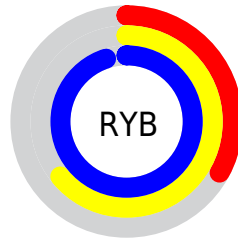
The XYZ color **50.6398, 70.0751, 94.8613** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **41.7488, 26.5141, 11.5134**, and the grayscale version is **50.7672, 53.4111, 58.1647**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **25.5909, 37.0011, 52.2475** is the 20% darker color. If you saturate the color by 10%, you get **48.6724, 68.8618, 94.7321**, and if you desaturate by 10%, it is **53.3627, 71.6815, 95.0291**.

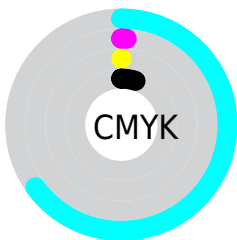
Distribution



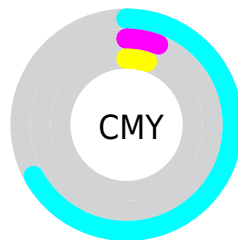
- Red (33%)
- Green (94%)
- Blue (95%)



- Red (33%)
- Yellow (64%)
- Blue (95%)



- Cyan (65%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)





- Cyan (67%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6398, 70.0751, 94.8613 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 50.6398, 70.0751, 94.8613 by changing the saturation by 10% instead.

 50.6398, 70.0751,
94.8613


 50.6398, 70.0751,
94.8613


379.5735,
460.8136, 564.6938

 36.1419, 51.5878,
71.4233


 90.3083, 119.3158,
156.0669


 24.7144, 36.6766,
52.2038

 116.2096,
150.8380, 194.6716

 15.9920, 24.9572,
36.7841


 146.6427,
187.4740, 239.1689

 9.6093, 16.0452,
24.7459

 181.9730,
229.6081, 289.9774

 5.2010, 9.5561,
15.6706

222.5659,
277.6247, 347.5156

 2.4016, 5.1057,
9.1395

268.7867,

 0.8459, 2.3094,

331.9082, 412.2020

4.7342

321.0008,
392.8431, 484.4553

■ 0.0000, 0.7787,
2.0362

■ 0.0000, 0.0000,
0.5774

■ 50.6398, 70.0751,
94.8613

■ 50.6398, 70.0751,
94.8613

■ 48.6724, 68.8618,
94.7321

■ 53.3627, 71.6815,
95.0291

■ 47.3739, 67.9923,
94.6327

■ 56.9037, 73.7085,
95.2338

■ 46.6479, 67.4185,
94.5602

■ 61.3261, 76.1905,
95.4797

■ 46.4217, 67.1997,
94.5299

■ 66.6852, 79.1559,
95.7697

73.0319, 82.6309,
96.1059

80.4133, 86.6399,
96.4907

88.8736, 91.2055,
96.9260

89.2284, 91.5931,
96.9821

89.3666, 91.8696,
97.0282

Harmonies

Analogous

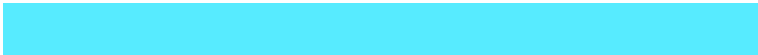
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0825, 70.0751, 66.6806



50.6398, 70.0751, 94.8613



55.2244, 70.0751, 123.5599

Triad

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



50.6398, 70.0751, 94.8613



81.5304, 70.0751, 116.4551



70.1771, 70.0751, 35.2912

Complementary

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



50.6398, 70.0751, 94.8613



41.7488, 26.5141, 11.5134

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.



79.4491, 70.0751, 42.9504



50.6398, 70.0751, 94.8613



86.4105, 70.0751, 86.8024

Square

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



50.6398, 70.0751, 94.8613



72.8041, 70.0751, 137.9502



85.6141, 70.0751, 60.3329



60.7668, 70.0751, 36.4539

Rectangle

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



50.6398, 70.0751, 94.8613



60.2172, 70.0751, 137.0455



85.6141, 70.0751, 60.3329



73.4278, 70.0751, 36.8286

Sweetspot

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



50.6419, 70.0777, 94.8630



79.1221, 91.3518, 108.0702



37.2457, 66.1353, 19.9537



16.5010, 19.3150, 23.1084



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.



50.6419, 70.0777, 94.8630



54.2467, 77.1841, 106.6467



32.4998, 33.7934, 88.8156



16.2200, 17.8741, 20.3168



24.9501, 36.1244, 50.7856



2.0838, 3.0216, 4.2276

Inverse Universe

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



55.4482, 31.6081, 84.8427



60.1034, 31.0758, 94.2640



51.9169, 46.8502, 14.9028



16.4405, 16.0259, 19.8758



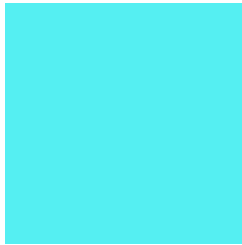
27.9193, 13.4401, 44.3529



2.3268, 1.1197, 3.7115

Previews

White Background



This preview shows how the XYZ color 50.6398, 70.0751, 94.8613 looks on a white background.

Color Contrast Check

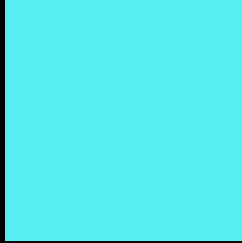
Large Text (above 18pt) WCAG AA × Fail

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 50.6398, 70.0751, 94.8613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

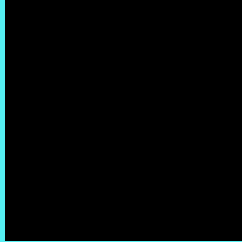
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6398, 70.0751, 94.8613

Background



This preview shows how black text looks on a background with the XYZ color 50.6398, 70.0751, 94.8613.

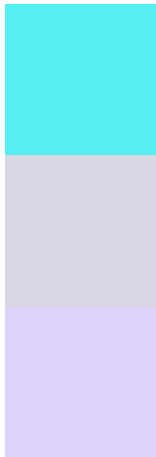


This preview shows how white text looks on a background with the XYZ color 50.6398, 70.0751,

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

50.6398, 70.0751, 94.8613

Protanopia

66.7808, 68.8986, 82.4521

Deuteranopia

70.3617, 68.8954, 98.3966



Tritanopia

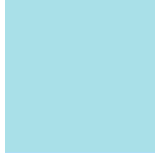
53.0825, 69.8076, 105.2842

Trichromacy



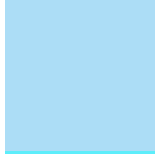
Original Color

50.6398, 70.0751, 94.8613



Protanomaly

57.5833, 67.5725, 86.3518



Deuteranomaly

59.5043, 67.1374, 97.0114



Tritanomaly

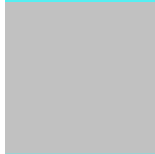
52.0537, 69.7977, 101.1713

Monochromacy



Original Color

50.6398, 70.0751, 94.8613



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.1309, 57.6664, 70.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6398, 70.0751, 94.8613 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(85, 239, 242)` looks like.

```
.text, #text, p{  
    color:rgb(85, 239, 242)  
}
```

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(85, 239, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 239, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.6398, 70.0751, 94.8613 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(85, 239, 242) }
```


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

```
.border{ border-color:rgb(85, 239, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 239, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 239, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 239, 242);  
box-shadow:4px 4px 4px 4px rgb(85, 239,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6398, 70.0751, 94.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 239, 242) }
```

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

```
.background{ background-color: rgb(85, 239,  
242) }
```

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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