

Converting Colors

XYZ(51.2911, 64.6833,
104.3895)

Have a look what the booklet for
XYZ(51.2911, 64.6833, 104.3895)
contains.

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Color

**XYZ(51.3098, 64.7385,
104.3992)**

Conversions

Conversions Part 1

Format	Color
Hex	6BE2FF
RGB	107, 226, 255
RGB Percent	42%, 89%, 100%
CMY	0.5804, 0.1137, 0.0000
CMYK	0.58, 0.11, 0.00, 0.00
HSL	192°, 100%, 71%
HSV	192°, 58%, 100%
XYZ	51.3098, 64.7385, 104.3992
YIQ	193.7250, -80.2330, -16.2090

Conversions

Conversions Part 2

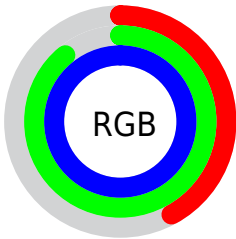
Format	Color
RYB	107, 173, 255
Decimal	7070463
CIELab	84.35, -25.42, -24.20
CIELCh	84, 35.095, 223.597
Yxy	64.7385, 0.2328, 0.2937
Android (android.graphics.Color)	4285260543 (0xFF6BE2FF)
YUV	193.7250, 30.2086, -76.0578
Hunter-Lab	80.4602, -26.9753, -20.6081

Details

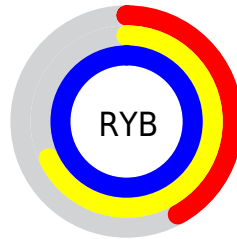
The XYZ color **51.3098, 64.7385, 104.3992** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.6991, 39.9314, 18.8421**, and the grayscale version is **50.9789, 53.6338, 58.4072**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **25.0198, 33.0597, 58.4886** is the 20% darker color. If you saturate the color by 10%, you get **47.3453, 60.7085, 103.8303**, and if you desaturate by 10%, it is **56.2212, 69.3182, 105.0243**.

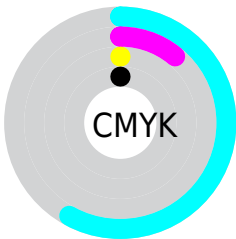
Distribution



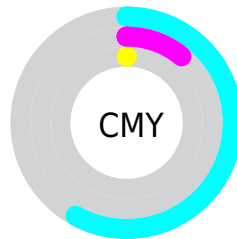
- Red (42%)
- Green (89%)
- Blue (100%)



- Red (42%)
- Yellow (68%)
- Blue (100%)



- Cyan (58%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3098, 64.7385, 104.3992 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 51.3098, 64.7385, 104.3992 by changing the saturation by 10% instead.

51.3098, 64.7385,
104.3992

51.3098, 64.7385,
104.3992

382.1341,
441.8517, 595.5734

36.6773, 47.2491,
79.3423

91.2928, 111.6738,
169.2941

25.1302, 33.2326,
58.6543

117.3740,
141.8885, 209.9691

16.3034, 22.3047,
41.9167

148.0021,
177.1137, 256.6872

9.8313, 14.0810,
28.7110

183.5425,
217.7339, 309.8670

5.3486, 8.1770,
18.6186

224.3606,
264.1333, 369.9270

2.4901, 4.2084,
11.2210

270.8216,

0.8903, 1.7908,

316.6965, 437.2857

6.0996

323.2910,
375.8078, 512.3616

■ 0.0000, 0.4814,
2.8360

■ 0.0000, 0.0000,
1.0115

■ 51.3098, 64.7385,
104.3992

■ 51.3098, 64.7385,
104.3992

■ 47.3453, 60.7085,
103.8303

■ 56.2212, 69.3182,
105.0243

■ 44.2399, 57.1782,
103.3125

■ 62.1464, 74.4785,
105.7081

■ 41.8982, 54.0994,
102.8417

■ 69.1525, 80.2557,
106.4539

■ 40.1883, 51.4036,
102.4115

■ 77.2991, 86.6811,
107.2648

■ 39.8901, 50.9003,
102.3300

■ 86.6412, 93.7835,
108.1433

95.0500, 100.0000,
108.9000

Harmonies

Analogous

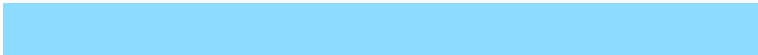
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0919, 64.7385, 81.0617



51.3098, 64.7385, 104.3992



57.3985, 64.7385, 120.1651

Triad

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



51.3098, 64.7385, 104.3992



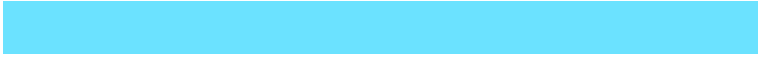
77.0475, 64.7385, 83.3099



58.0777, 64.7385, 36.4761

Complementary

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



51.3098, 64.7385, 104.3992



52.6991, 39.9314, 18.8421

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.



65.8594, 64.7385, 36.8278



51.3098, 64.7385, 104.3992



77.2683, 64.7385, 60.8784

Square

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



51.3098, 64.7385, 104.3992



72.4490, 64.7385, 106.3416



73.0290, 64.7385, 44.8543



51.7708, 64.7385, 43.7640

Rectangle

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



51.3098, 64.7385, 104.3992



62.4764, 64.7385, 122.5517



73.0290, 64.7385, 44.8543



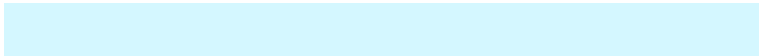
60.5972, 64.7385, 35.7605

Sweetspot

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



51.3116, 64.7408, 104.3996



78.2106, 87.3850, 107.3526



46.1372, 76.3714, 34.9149



16.3645, 18.4132, 22.9416



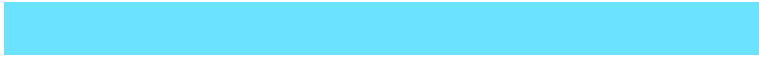
0.0000, 0.0000, 0.0000



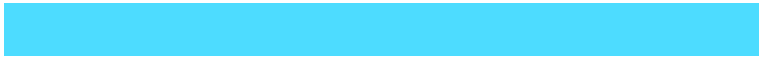
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3116, 64.7408, 104.3996



46.6703, 59.9770, 103.7247



35.6489, 33.4153, 99.1786



18.2347, 19.8410, 23.1186



20.9504, 26.8105, 53.5053



2.1135, 2.7577, 5.2342

Inverse Universe

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



60.2265, 37.2682, 75.9731



56.7807, 31.6667, 70.8476



66.4833, 67.4997, 23.4368



18.6311, 18.2358, 21.9405



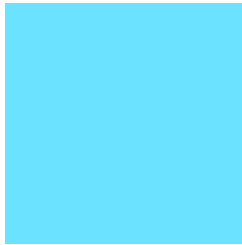
27.3630, 13.4345, 31.6257



2.7014, 1.3229, 3.2750

Previews

White Background



This preview shows how the XYZ color 51.3098, 64.7385, 104.3992 looks on a white background.

Color Contrast Check

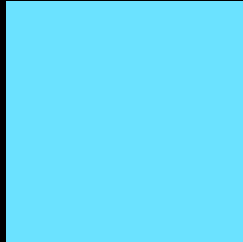
Large Text (above 18pt) WCAG AA × Fail

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 51.3098, 64.7385, 104.3992 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 51.3098, 64.7385, 104.3992

Background



This preview shows how black text looks on a background with the XYZ color 51.3098, 64.7385, 104.3992.

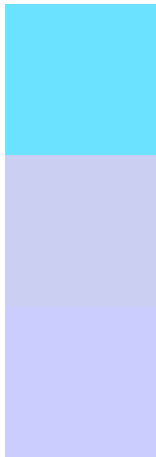


This preview shows how white text looks on a background with the XYZ color 51.3098, 64.7385,

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

51.3098, 64.7385, 104.3992

Protanopia

62.9684, 63.7330, 92.9873

Deuteranopia

64.7832, 63.7200, 103.4925



Tritanopia

49.9715, 65.0242, 97.1059

Trichromacy



Original Color

51.3098, 64.7385, 104.3992

Protanomaly

56.9835, 63.1334, 97.1783

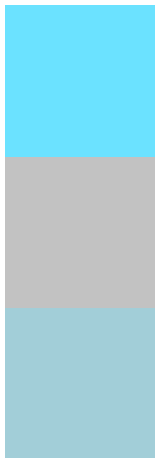
Deuteranomaly

58.2064, 63.2435, 103.7472

Tritanomaly

50.2769, 64.7208, 99.4650

Monochromacy



Original Color

51.3098, 64.7385, 104.3992

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.3663, 56.7819, 73.3239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3098, 64.7385, 104.3992 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(107, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 226, 255)  
}
```

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(107, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.3098, 64.7385, 104.3992 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(107, 226, 255) }
```


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

```
.border{ border-color:rgb(107, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3098, 64.7385, 104.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 226, 255) }
```

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

```
.background{ background-color: rgb(107,  
226, 255) }
```

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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