

Converting Colors

XYZ(51.9437, 64.1531,
109.2776)

Have a look what the booklet for
XYZ(51.9437, 64.1531, 109.2776)
contains.

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Color

**XYZ(51.0123, 63.7825,
104.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	6DE0FF
RGB	109, 224, 255
RGB Percent	43%, 88%, 100%
CMY	0.5725, 0.1216, 0.0000
CMYK	0.57, 0.12, 0.00, 0.00
HSL	193°, 100%, 71%
HSV	193°, 57%, 100%
XYZ	51.0123, 63.7825, 104.2304
YIQ	193.1490, -78.4910, -14.7390

Conversions

Conversions Part 2

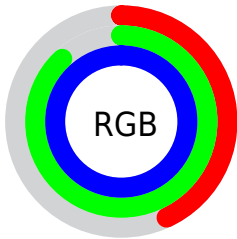
Format	Color
RYB	109, 173, 255
Decimal	7201023
CIELab	83.85, -24.07, -24.95
CIElCh	84, 34.665, 226.035
Yxy	63.7825, 0.2329, 0.2912
Android (android.graphics.Color)	4285391103 (0xFF6DE0FF)
YUV	193.1490, 30.4925, -73.7987
Hunter-Lab	79.8639, -25.7468, -21.4746

Details

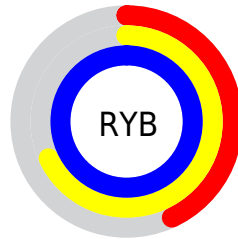
The XYZ color **51.0123, 63.7825, 104.2304** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.3793, 41.1215, 19.5938**, and the grayscale version is **50.6375, 53.2746, 58.0160**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **25.0082, 32.7765, 58.4345** is the 20% darker color. If you saturate the color by 10%, you get **46.8867, 59.5312, 103.6272**, and if you desaturate by 10%, it is **56.0975, 68.6000, 104.8922**.

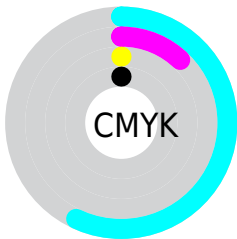
Distribution



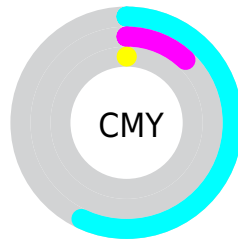
- Red (43%)
- Green (88%)
- Blue (100%)



- Red (43%)
- Yellow (68%)
- Blue (100%)



- Cyan (57%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0123, 63.7825, 104.2304 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 51.0123, 63.7825, 104.2304 by changing the saturation by 10% instead.

51.0123, 63.7825,
104.2304

51.0123, 63.7825,
104.2304

380.9984,
438.4038, 595.0344

36.4395, 46.4745,
79.2017

90.8558, 110.2976,
169.0611

24.9455, 32.6204,
58.5394

116.8573,
140.2736, 209.7001

16.1650, 21.8358,
41.8248

147.3989,
175.2410, 256.3797

9.7325, 13.7363,
28.6396

182.8462,
215.5843, 309.5183

5.2829, 7.9375,
18.5651

223.5644,
261.6878, 369.5346

2.4506, 4.0550,
11.1829

269.9190,

0.8704, 1.7044,

313.9360, 436.8470

6.0743

322.2752,
372.7132, 511.8741

■ 0.0000, 0.4265,
2.8208

■ 0.0000, 0.0000,
1.0039

■ 51.0123, 63.7825,
104.2304

■ 51.0123, 63.7825,
104.2304

■ 46.8867, 59.5312,
103.6272

■ 56.0975, 68.6000,
104.8922

■ 43.6337, 55.7965,
103.0778

■ 62.2087, 74.0145,
105.6152

■ 41.1592, 52.5307,
102.5779

■ 69.4126, 80.0623,
106.4029

■ 39.3398, 49.6694,
102.1215

■ 77.7683, 86.7746,
107.2581

■ 38.9039, 48.9278,
102.0013

■ 87.3309, 94.1802,
108.1835

95.0500, 100.0000,
108.9000

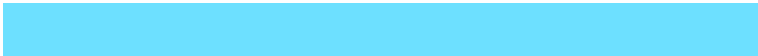
Harmonies

Analogous

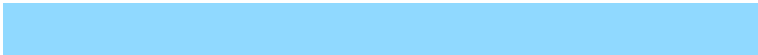
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6068, 63.7825, 81.6924



51.0123, 63.7825, 104.2304



57.1565, 63.7825, 118.6325

Triad

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



51.0123, 63.7825, 104.2304



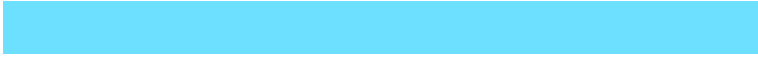
75.9785, 63.7825, 80.0725



56.6666, 63.7825, 36.4286

Complementary

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



51.0123, 63.7825, 104.2304



53.3793, 41.1215, 19.5938

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.



64.2276, 63.7825, 36.1741



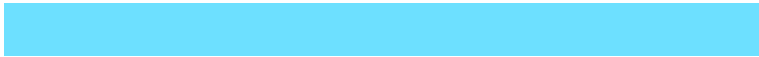
51.0123, 63.7825, 104.2304



75.8194, 63.7825, 58.4932

Square

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



51.0123, 63.7825, 104.2304



71.7895, 63.7825, 102.8324



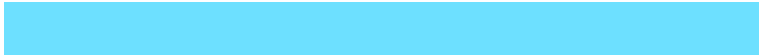
71.3716, 63.7825, 43.4182



50.6796, 63.7825, 44.2062

Rectangle

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



51.0123, 63.7825, 104.2304



62.1764, 63.7825, 120.0781



71.3716, 63.7825, 43.4182



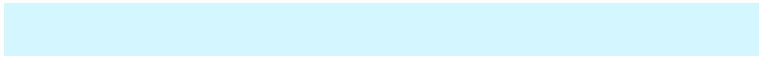
59.0964, 63.7825, 35.5258

Sweetspot

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



51.0141, 63.7848, 104.2307



77.9944, 86.9526, 107.2805



46.6699, 76.6126, 36.4508



16.3130, 18.3103, 22.9244



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.



51.0141, 63.7848, 104.2307



46.2575, 58.8423, 103.5274



35.7169, 33.1903, 99.1316



18.2083, 19.7882, 23.1098



20.4410, 25.7916, 53.3355



2.0681, 2.6669, 5.2190

Inverse Universe

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



60.1644, 37.5808, 74.6062



56.6478, 31.9025, 69.2571



67.3452, 69.0533, 24.2491



18.6178, 18.2304, 21.8703



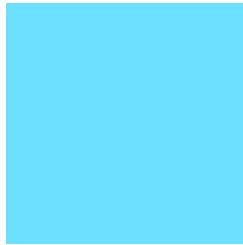
27.1059, 13.3316, 30.2717



2.6785, 1.3138, 3.1544

Previews

White Background



This preview shows how the XYZ color 51.0123, 63.7825, 104.2304 looks on a white background.

Color Contrast Check

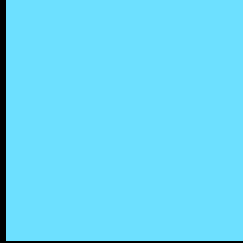
Large Text (above 18pt) WCAG AA × Fail

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 51.0123, 63.7825, 104.2304 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 51.0123, 63.7825, 104.2304

Background



This preview shows how black text looks on a background with the XYZ color 51.0123, 63.7825, 104.2304.

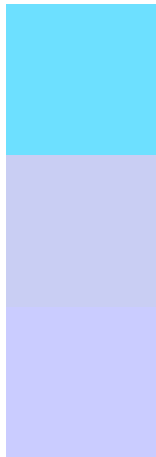


This preview shows how white text looks on a background with the XYZ color 51.0123, 63.7825,

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

51.0123, 63.7825, 104.2304

Protanopia

62.3364, 63.0312, 93.6748

Deuteranopia

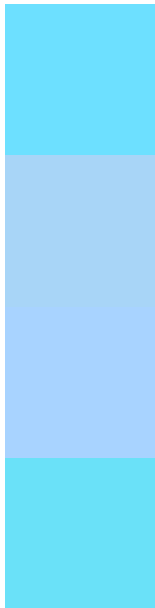
64.0000, 62.9623, 103.3875



Tritanopia

49.3512, 63.9276, 95.3261

Trichromacy



Original Color

51.0123, 63.7825, 104.2304

Protanomaly

56.7312, 62.6287, 97.0942

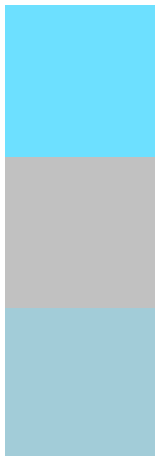
Deuteranomaly

57.4927, 62.1334, 103.5705

Tritanomaly

49.8123, 63.6919, 98.4753

Monochromacy



Original Color

51.0123, 63.7825, 104.2304

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.8878, 55.8250, 73.1644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0123, 63.7825, 104.2304 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(109, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 224, 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(109, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.0123, 63.7825, 104.2304 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(109, 224, 255) }
```


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

```
.border{ border-color:rgb(109, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0123, 63.7825, 104.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 224, 255) }
```

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

```
.background{ background-color: rgb(109,  
224, 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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