

# Converting Colors

XYZ(52.3397, 63.6735,  
104.1394)

Have a look what the booklet for  
XYZ(52.3397, 63.6735, 104.1394)  
contains.

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# Color

**XYZ(52.3397, 63.6735,  
104.1394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BDEFF
RGB	123, 222, 255
RGB Percent	48%, 87%, 100%
CMY	0.5176, 0.1294, 0.0000
CMYK	0.52, 0.13, 0.00, 0.00
HSL	195°, 100%, 74%
HSV	195°, 52%, 100%
XYZ	52.3397, 63.6735, 104.1394
YIQ	196.1610, -69.5970, -10.7250

# Conversions

## Conversions Part 2

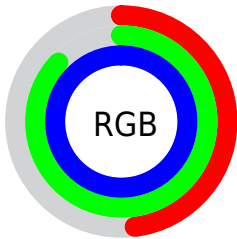
Format	Color
<a href="#">RYB</a>	<a href="#">123, 180, 255</a>
Decimal	<a href="#">8118015</a>
CIELab	<a href="#">83.80, -20.33, -24.99</a>
CIELCh	<a href="#">84, 32.213, 230.878</a>
Yxy	<a href="#">63.6735, 0.2377, 0.2892</a>
Android (android.graphics.Color)	<a href="#">4286308095 (0xFF7BDEFF)</a>
YUV	<a href="#">196.1610, 29.0076, -64.1622</a>
Hunter-Lab	<a href="#">79.7957, -22.5604, -21.5210</a>

# Details

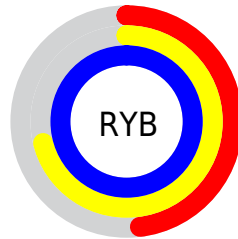
The XYZ color **52.3397, 63.6735, 104.1394** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.7046, 46.4682, 24.7217**, and the grayscale version is **52.4291, 55.1595, 60.0687**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **25.8154, 32.6445, 58.3665** is the 20% darker color. If you saturate the color by 10%, you get **47.4948, 58.7110, 103.4369**, and if you desaturate by 10%, it is **58.2021, 69.2583, 104.9084**.

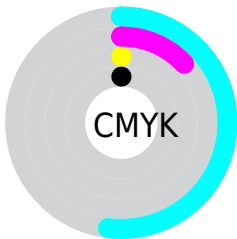
# Distribution



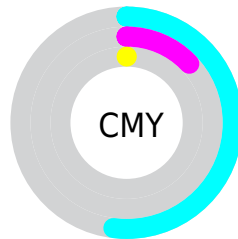
- Red (48%)
- Green (87%)
- Blue (100%)



- Red (48%)
- Yellow (71%)
- Blue (100%)



- Cyan (52%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3397, 63.6735, 104.1394 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 52.3397, 63.6735, 104.1394 by changing the saturation by 10% instead.



52.3397, 63.6735,  
104.1394

52.3397, 63.6735,  
104.1394

386.0491,  
438.0096, 594.7437

37.5013, 46.3863,  
79.1259

92.8033, 110.1406,  
168.9354

25.7713, 32.5508,  
58.4774

119.1592,  
140.0892, 209.5551

16.7844, 21.7825,  
41.7753

150.0849,  
175.0272, 256.2139

10.1752, 13.6972,  
28.6012

185.9459,  
215.3388, 309.3303

5.5785, 7.9104,  
18.5363

227.1074,  
261.4084, 369.3230

2.6287, 4.0376,  
11.1623

273.9349,

0.9606, 1.6946,

313.6205, 436.6104

6.0606

326.7937,  
372.3595, 511.6111

■ 0.0000, 0.4202,  
2.8126

■ 0.0000, 0.0000,  
0.9997

■ 52.3397, 63.6735,  
104.1394

■ 52.3397, 63.6735,  
104.1394

■ 47.4948, 58.7110,  
103.4369

■ 58.2021, 69.2583,  
104.9084

■ 43.5858, 54.3237,  
102.7960

■ 65.1446, 75.4946,  
105.7462

■ 40.5271, 50.4676,  
102.2130

■ 73.2309, 82.4176,  
106.6562

■ 38.2134, 47.0875,  
101.6825

■ 82.5179, 90.0576,  
107.6414

■ 36.7361, 44.5922,  
101.2787

■ 93.0588, 98.4431,  
108.7044

95.0500, 100.0000,  
108.9000

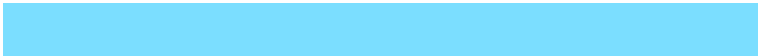
# Harmonies

## Analogous

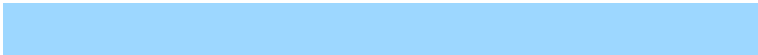
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.6841, 63.6735, 84.1535



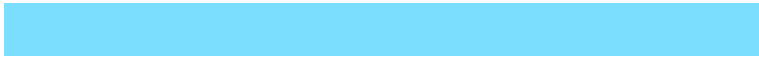
52.3397, 63.6735, 104.1394



58.3897, 63.6735, 115.3216

# Triad

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



52.3397, 63.6735, 104.1394



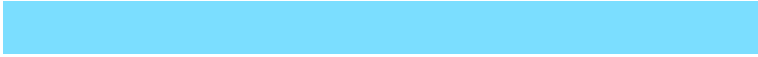
74.9615, 63.6735, 75.6879



55.8024, 63.6735, 38.9401

# Complementary

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



52.3397, 63.6735, 104.1394



56.7046, 46.4682, 24.7217

# 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.



62.7010, 63.6735, 37.5516



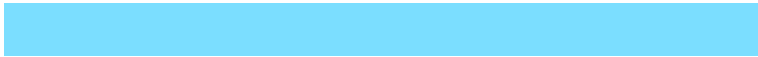
52.3397, 63.6735, 104.1394



74.1332, 63.6735, 56.3576

# Square

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



52.3397, 63.6735, 104.1394



71.6928, 63.6735, 96.9161



69.5106, 63.6735, 43.2955

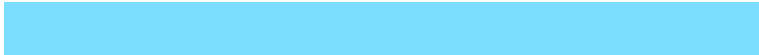


50.5724, 63.6735, 47.5480



# Rectangle

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



52.3397, 63.6735, 104.1394



63.1221, 63.6735, 115.0309



69.5106, 63.6735, 43.2955



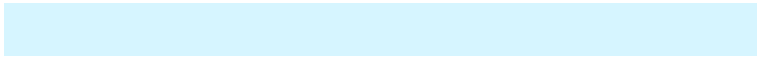
57.9899, 63.6735, 37.6895

# Sweetspot

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



52.3415, 63.6758, 104.1397



78.4321, 86.7304, 107.2146



49.7458, 78.0580, 42.9316



16.3800, 18.2282, 22.9050



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.



52.3415, 63.6758, 104.1397



47.3912, 58.6001, 103.4209



38.4812, 35.9551, 99.5196



18.1477, 19.6671, 23.0896



19.3202, 23.5499, 52.9619



1.9676, 2.4660, 5.1856



# Inverse Universe

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



61.5091, 40.7017, 73.7240



57.8326, 34.7218, 68.2657



70.3568, 73.7726, 29.2724



18.5872, 18.2182, 21.7094



26.5401, 13.1053, 27.2925

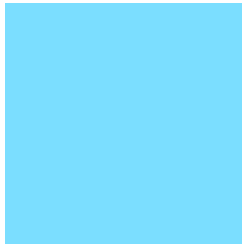


2.6278, 1.2935, 2.8873



# Previews

## White Background



This preview shows how the XYZ color 52.3397, 63.6735, 104.1394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

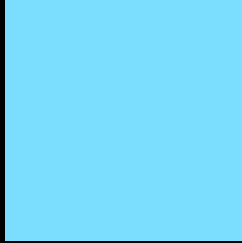
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3397, 63.6735, 104.1394 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 52.3397, 63.6735, 104.1394

## Background



This preview shows how black text looks on a background with the XYZ color 52.3397, 63.6735, 104.1394.



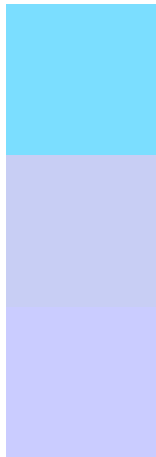
This preview shows how white text looks on a background with the XYZ color 52.3397, 63.6735,



# 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

52.3397, 63.6735, 104.1394

### Protanopia

62.2199, 62.9536, 94.4599

### Deuteranopia

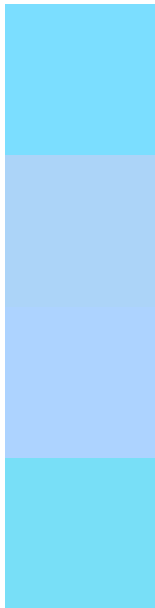
64.0000, 62.9623, 103.3875



## **Tritanopia**

50.2904, 63.6441, 93.6383

# Trichromacy



## Original Color

52.3397, 63.6735, 104.1394

## Protanomaly

57.5000, 62.6349, 97.8661

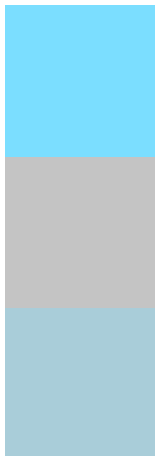
## Deuteranomaly

58.5778, 62.6928, 103.6213

## Tritanomaly

50.9219, 63.4838, 97.5654

# Monochromacy



## Original Color

52.3397, 63.6735, 104.1394

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

50.7179, 57.1074, 73.9954

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3397, 63.6735, 104.1394 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(123, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 222, 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(123, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3397, 63.6735, 104.1394 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(123, 222, 255) }
```



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

```
.border{ border-color:rgb(123, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 222,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3397, 63.6735, 104.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 222, 255) }
```

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

```
.background{ background-color: rgb(123,  
222, 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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