

Converting Colors

XYZ(52.8643, 64.0971,
108.2120)

Have a look what the booklet for
XYZ(52.8643, 64.0971, 108.2120)
contains.

XYZ(52.1834, 63.9884, 104.2084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.1834, 63.9884,
104.2084)**

Conversions

Conversions Part 1

Format	Color
Hex	78DFFF
RGB	120, 223, 255
RGB Percent	47%, 87%, 100%
CMY	0.5294, 0.1255, 0.0000
CMYK	0.53, 0.13, 0.00, 0.00
HSL	194°, 100%, 74%
HSV	194°, 53%, 100%
XYZ	52.1834, 63.9884, 104.2084
YIQ	195.8510, -71.6600, -11.8840

Conversions

Conversions Part 2

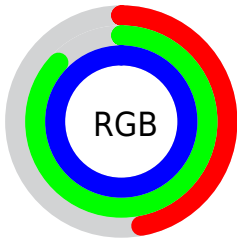
Format	Color
RYB	120, 178, 255
Decimal	7921663
CIELab	83.96, -21.44, -24.75
CIELCh	84, 32.747, 229.098
Yxy	63.9884, 0.2368, 0.2904
Android (android.graphics.Color)	4286111743 (0xFF78DFFF)
YUV	195.8510, 29.1605, -66.5213
Hunter-Lab	79.9927, -23.5425, -21.2435

Details

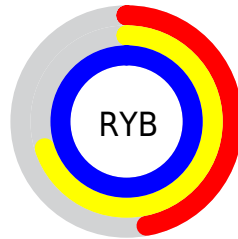
The XYZ color **52.1834, 63.9884, 104.2084** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.8593, 45.0737, 23.5273**, and the grayscale version is **52.2435, 54.9642, 59.8560**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **25.7170, 32.8668, 58.4146** is the 20% darker color. If you saturate the color by 10%, you get **47.5206, 59.2313, 103.5359**, and if you desaturate by 10%, it is **57.8490, 69.3508, 104.9448**.

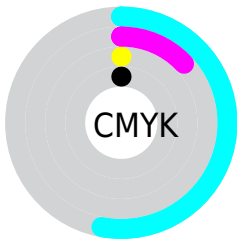
Distribution



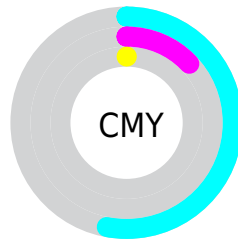
- Red (47%)
- Green (87%)
- Blue (100%)



- Red (47%)
- Yellow (70%)
- Blue (100%)



- Cyan (53%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1834, 63.9884, 104.2084 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 52.1834, 63.9884, 104.2084 by changing the saturation by 10% instead.

52.1834, 63.9884,
104.2084

52.1834, 63.9884,
104.2084

385.4566,
439.1477, 594.9641

37.3761, 46.6413,
79.1834

92.5743, 110.5942,
169.0307

25.6739, 32.7522,
58.5244

118.8886,
140.6217, 209.6650

16.7112, 21.9367,
41.8129

149.7694,
175.6448, 256.3396

10.1228, 13.8104,
28.6303

185.5819,
216.0479, 309.4729

5.5434, 7.9889,
18.5582

226.6915,
262.2153, 369.4834

2.6075, 4.0878,
11.1779

273.4636,

0.9498, 1.7228,

314.5315, 436.7898

6.0709

326.2635,
373.3808, 511.8105

■ 0.0000, 0.4384,
2.8188

■ 0.0000, 0.0000,
1.0029

■ 52.1834, 63.9884,
104.2084

■ 52.1834, 63.9884,
104.2084

■ 47.5206, 59.2313,
103.5359

■ 57.8490, 69.3508,
104.9448

■ 43.7779, 55.0319,
102.9226

■ 64.5806, 75.3478,
105.7476

■ 40.8681, 51.3456,
102.3645

■ 72.4424, 82.0147,
106.6201

■ 38.6832, 48.1160,
101.8562

■ 81.4919, 89.3821,
107.5651

■ 37.4665, 46.0529,
101.5222

■ 91.7826, 97.4784,
108.5855

■ 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.



48.6334, 63.9884, 83.4915



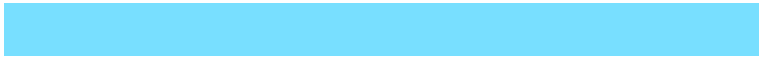
52.1834, 63.9884, 104.2084



58.2338, 63.9884, 116.4005

Triad

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



52.1834, 63.9884, 104.2084



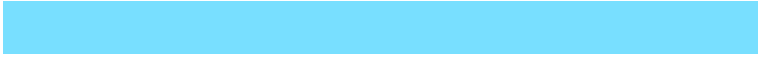
75.4779, 63.9884, 77.4570



56.3937, 63.9884, 38.4780

Complementary

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



52.1834, 63.9884, 104.2084



55.8593, 45.0737, 23.5273

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.



63.4797, 63.9884, 37.4975



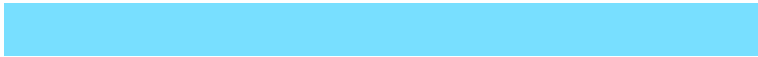
52.1834, 63.9884, 104.2084



74.8871, 63.9884, 57.4692

Square

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



52.1834, 63.9884, 104.2084



71.9143, 63.9884, 99.0465



70.3584, 63.9884, 43.7589



50.9281, 63.9884, 46.7691

Rectangle

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



52.1834, 63.9884, 104.2084



63.0383, 63.9884, 116.7065



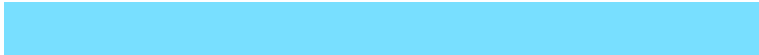
70.3584, 63.9884, 43.7589



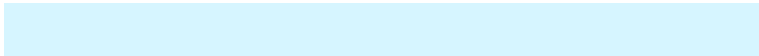
58.6525, 63.9884, 37.3540

Sweetspot

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



52.1852, 63.9907, 104.2087



78.5921, 87.0506, 107.2679



49.1336, 77.7643, 41.9140



16.4184, 18.3050, 22.9178



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.



52.1852, 63.9907, 104.2087



47.0811, 58.7598, 103.4681



37.6859, 34.9921, 99.3756



18.1685, 19.7087, 23.0965



19.6980, 24.3055, 53.0878



2.0016, 2.5339, 5.1969

Inverse Universe

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



61.2770, 40.0224, 74.3099



57.4857, 33.8540, 68.6860



69.9625, 73.2802, 28.2284



18.5977, 18.2224, 21.7647



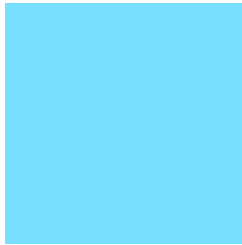
26.7308, 13.1816, 28.2967



2.6449, 1.3003, 2.9776

Previews

White Background



This preview shows how the XYZ color 52.1834, 63.9884, 104.2084 looks on a white background.

Color Contrast Check

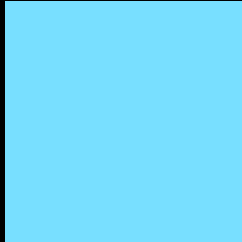
Large Text (above 18pt) WCAG AA × Fail

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 52.1834, 63.9884, 104.2084 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

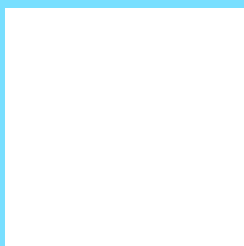
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.1834, 63.9884, 104.2084

Background



This preview shows how black text looks on a background with the XYZ color 52.1834, 63.9884, 104.2084.

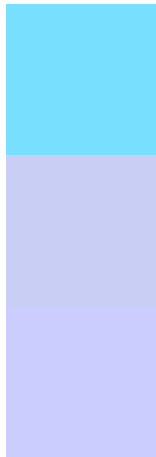


This preview shows how white text looks on a background with the XYZ color 52.1834, 63.9884,

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

52.1834, 63.9884, 104.2084

Protanopia

62.4878, 63.0918, 94.4724

Deuteranopia

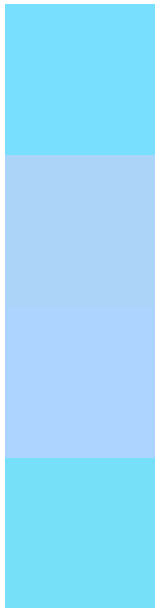
64.2715, 63.1022, 103.4002



Tritanopia

50.3053, 64.0345, 94.5025

Trichromacy



Original Color

52.1834, 63.9884, 104.2084

Protanomaly

57.5000, 62.6349, 97.8661

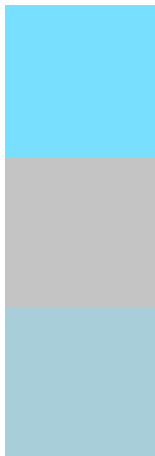
Deuteranomaly

58.5778, 62.6928, 103.6213

Tritanomaly

50.7803, 63.8086, 97.6356

Monochromacy



Original Color

52.1834, 63.9884, 104.2084

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.7441, 57.4772, 74.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1834, 63.9884, 104.2084 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(120, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 223, 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(120, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1834, 63.9884, 104.2084 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(120, 223, 255) }
```


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

```
.border{ border-color:rgb(120, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1834, 63.9884, 104.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 223, 255) }
```

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

```
.background{ background-color: rgb(120,  
223, 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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