

Converting Colors

XYZ(52.2378, 63.0017,
104.0151)

Have a look what the booklet for
XYZ(52.2378, 63.0017, 104.0151)
contains.

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Color

**XYZ(52.1006, 62.7664,
103.9769)**

Conversions

Conversions Part 1

Format	Color
Hex	7DDCFF
RGB	125, 220, 255
RGB Percent	49%, 86%, 100%
CMY	0.5098, 0.1372, 0.0000
CMYK	0.51, 0.14, 0.00, 0.00
HSL	196°, 100%, 75%
HSV	196°, 51%, 100%
XYZ	52.1006, 62.7664, 103.9769
YIQ	195.5850, -67.8550, -9.2550

Conversions

Conversions Part 2

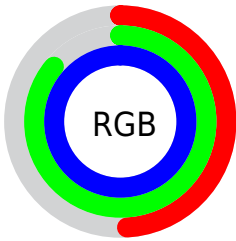
Format	Color
RYB	125, 180, 255
Decimal	8248575
CIELab	83.32, -18.90, -25.71
CIELCh	83, 31.908, 233.682
Yxy	62.7664, 0.2381, 0.2868
Android (android.graphics.Color)	4286438655 (0xFF7DDCFF)
YUV	195.5850, 29.2916, -61.9030
Hunter-Lab	79.2252, -21.2579, -22.3558

Details

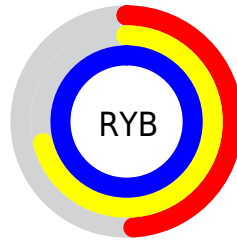
The XYZ color **52.1006, 62.7664, 103.9769** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.5132, 47.8831, 25.6150**, and the grayscale version is **52.0821, 54.7944, 59.6711**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **25.6348, 32.0116, 58.2538** is the 20% darker color. If you saturate the color by 10%, you get **47.0801, 57.5595, 103.2364**, and if you desaturate by 10%, it is **58.1540, 68.6184, 104.7874**.

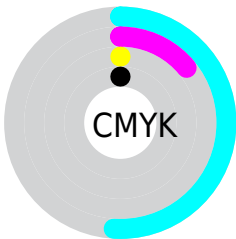
Distribution



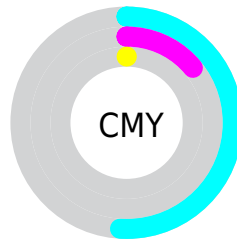
- Red (49%)
- Green (86%)
- Blue (100%)



- Red (49%)
- Yellow (71%)
- Blue (100%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1006, 62.7664, 103.9769 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 52.1006, 62.7664, 103.9769 by changing the saturation by 10% instead.

■ 52.1006, 62.7664,
103.9769

■ 52.1006, 62.7664,
103.9769

385.1424,
434.7212, 594.2243

■ 37.3099, 45.6523,
78.9906

■ 92.4529, 108.8324,
168.7111

■ 25.6223, 31.9715,
58.3668

■ 118.7452,
138.5531, 209.2960

■ 16.6725, 21.3397,
41.6870

■ 149.6021,
173.2447, 255.9177

■ 10.0951, 13.3726,
28.5325

185.3889,
213.2917, 308.9945

■ 5.5248, 7.6856,
18.4849

226.4710,
259.0785, 368.9450

■ 2.5962, 3.8944,
11.1257

273.2137,

■ 0.9440, 1.6147,

310.9894, 436.1878

6.0362

325.9824,
369.4088, 511.1414

■ 0.0000, 0.3675,
2.7980

■ 0.0000, 0.0000,
0.9924

■ 52.1006, 62.7664,
103.9769

■ 52.1006, 62.7664,
103.9769

■ 47.0801, 57.5595,
103.2364

■ 58.1540, 68.6184,
104.7874

■ 43.0117, 52.9506,
102.5613

■ 65.3027, 75.1448,
105.6703

■ 39.8105, 48.8959,
101.9474

■ 73.6101, 82.3808,
106.6292

■ 37.3727, 45.3407,
101.3896

■ 83.1330, 90.3571,
107.6668

■ 35.6828, 42.4856,
100.9276

93.9243, 99.1022,
108.7860

95.0500, 100.0000,
108.9000

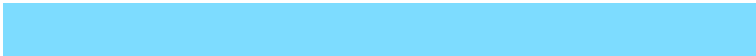
Harmonies

Analogous

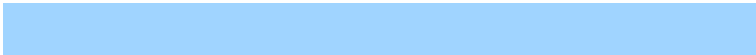
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.2562, 62.7664, 84.8637



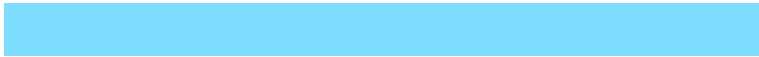
52.1006, 62.7664, 103.9769



58.2016, 62.7664, 113.7800

Triad

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



52.1006, 62.7664, 103.9769



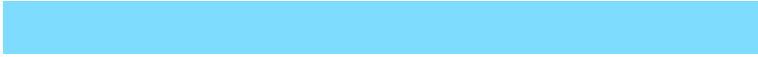
73.9226, 62.7664, 72.6330



54.4585, 62.7664, 38.9862

Complementary

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



52.1006, 62.7664, 103.9769



57.5132, 47.8831, 25.6150

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.



61.1377, 62.7664, 36.9688



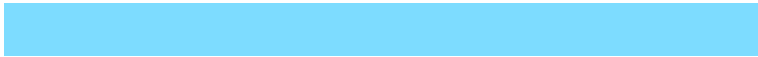
52.1006, 62.7664, 103.9769



72.7266, 62.7664, 54.1170

Square

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



52.1006, 62.7664, 103.9769



71.0642, 62.7664, 93.5577



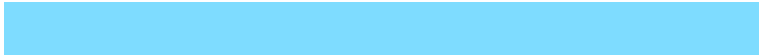
67.9121, 62.7664, 41.9501



49.5419, 62.7664, 48.1204

Rectangle

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



52.1006, 62.7664, 103.9769



62.8687, 62.7664, 112.5874



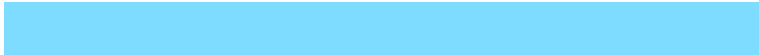
67.9121, 62.7664, 41.9501



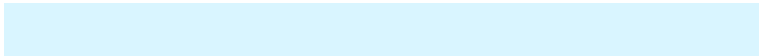
56.5577, 62.7664, 37.5373

Sweetspot

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



52.1024, 62.7687, 103.9772



79.1535, 87.0584, 107.2399



50.5346, 78.4069, 45.5775



16.5129, 18.2745, 22.9070



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.



52.1024, 62.7687, 103.9772



47.0703, 57.5488, 103.2349



38.2858, 35.1356, 99.3717



18.1170, 19.6055, 23.0793



18.7750, 22.4595, 52.7802



1.9184, 2.3675, 5.1691

Inverse Universe

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



61.4931, 41.0961, 72.4039



57.7705, 35.0796, 66.7593



71.7776, 76.4119, 30.3698



18.5717, 18.2120, 21.6276



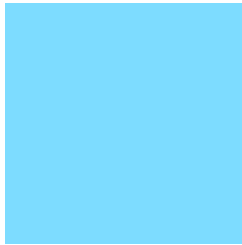
26.2649, 12.9953, 25.8433



2.6029, 1.2835, 2.7565

Previews

White Background



This preview shows how the XYZ color 52.1006, 62.7664, 103.9769 looks on a white background.

Color Contrast Check

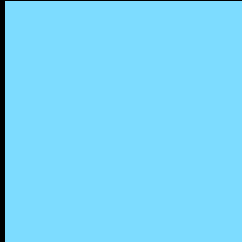
Large Text (above 18pt) WCAG AA × Fail

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 52.1006, 62.7664, 103.9769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

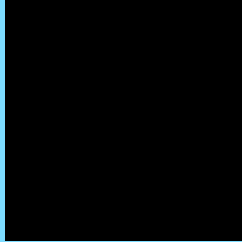
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1006, 62.7664, 103.9769

Background



This preview shows how black text looks on a background with the XYZ color 52.1006, 62.7664, 103.9769.

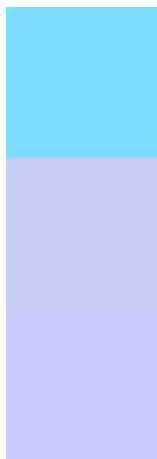


This preview shows how white text looks on a background with the XYZ color 52.1006, 62.7664,

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

52.1006, 62.7664, 103.9769

Protanopia

61.4492, 62.2001, 94.3550

Deuteranopia

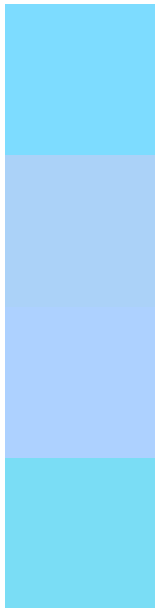
63.2254, 62.2112, 103.2834



Tritanopia

49.5952, 62.5269, 91.8930

Trichromacy



Original Color

52.1006, 62.7664, 103.9769

Protanomaly

56.7845, 61.5284, 97.6902

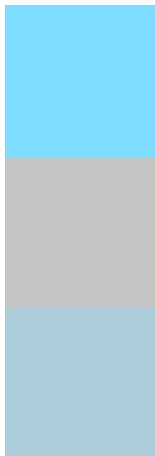
Deuteranomaly

58.0840, 61.7052, 103.4567

Tritanomaly

50.3639, 62.4431, 95.7845

Monochromacy



Original Color

52.1006, 62.7664, 103.9769

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.9333, 57.2184, 74.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1006, 62.7664, 103.9769 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(125, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 220, 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(125, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1006, 62.7664, 103.9769 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(125, 220, 255) }
```


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

```
.border{ border-color:rgb(125, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(125, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1006, 62.7664, 103.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 220, 255) }
```

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

```
.background{ background-color: rgb(125,  
220, 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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