

Converting Colors

XYZ(52.7859, 66.4626,
107.4753)

Have a look what the booklet for
XYZ(52.7859, 66.4626, 107.4753)
contains.

XYZ(52.3760, 66.5098, 104.6849)	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(52.3760, 66.5098,
104.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	6DE5FF
RGB	109, 229, 255
RGB Percent	43%, 90%, 100%
CMY	0.5725, 0.1019, 0.0000
CMYK	0.57, 0.10, 0.00, 0.00
HSL	191°, 100%, 71%
HSV	191°, 57%, 100%
XYZ	52.3760, 66.5098, 104.6849
YIQ	196.0840, -79.8660, -17.3540

Conversions

Conversions Part 2

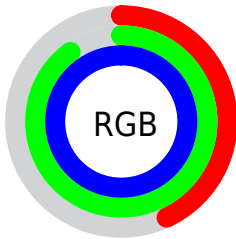
Format	Color
RYB	109, 175, 255
Decimal	7202303
CIELab	85.26, -26.53, -22.82
CIELCh	85, 34.989, 220.702
Yxy	66.5098, 0.2343, 0.2975
Android (android.graphics.Color)	4285392383 (0xFF6DE5FF)
YUV	196.0840, 29.0456, -76.3727
Hunter-Lab	81.5535, -28.0809, -19.0192

Details

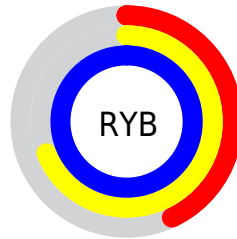
The XYZ color **52.3760, 66.5098, 104.6849** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **52.6653, 39.6934, 19.3560**, and the grayscale version is **52.3874, 55.1156, 60.0209**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **25.7323, 34.2714, 58.6849** is the 20% darker color. If you saturate the color by 10%, you get **48.4424, 62.6425, 104.1458**, and if you desaturate by 10%, it is **57.2558, 70.9165, 105.2783**.

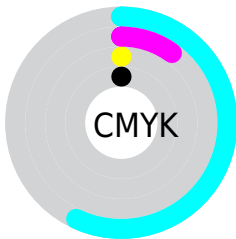
Distribution



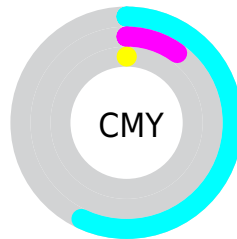
- Red (43%)
- Green (90%)
- Blue (100%)



- Red (43%)
- Yellow (69%)
- Blue (100%)



- Cyan (57%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3760, 66.5098, 104.6849 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 52.3760, 66.5098, 104.6849 by changing the saturation by 10% instead.

52.3760, 66.5098,
104.6849

52.3760, 66.5098,
104.6849

386.1866,
448.1979, 596.4852

37.5303, 48.6864,
79.5802

92.8565, 114.2177,
169.6884

25.7939, 34.3707,
58.8488

119.2220,
144.8710, 210.4242

16.8014, 23.1786,
42.0722

150.1582,
180.5697, 257.2076

10.1874, 14.7254,
28.8319

186.0304,
221.6981, 310.4569

5.5866, 8.6269,
18.7092

227.2040,
268.6408, 370.5908

2.6336, 4.4986,
11.2857

274.0443,

0.9631, 1.9562,

321.7821, 438.0278

6.1427

326.9168,
381.5063, 513.1864

■ 0.0000, 0.5818,
2.8619

■ 0.0000, 0.0000,
1.0245

■ 52.3760, 66.5098,
104.6849

■ 52.3760, 66.5098,
104.6849

■ 48.4424, 62.6425,
104.1458

■ 57.2558, 70.9165,
105.2783

■ 45.3681, 59.2652,
103.6559

■ 63.1480, 75.8929,
105.9283

■ 43.0592, 56.3305,
103.2112

■ 70.1190, 81.4749,
106.6383

■ 41.3924, 53.7745,
102.8057

■ 78.2278, 87.6933,
107.4112

■ 40.9961, 53.1123,
102.6987

■ 87.5294, 94.5769,
108.2496

95.0500, 100.0000,
108.9000

Harmonies

Analogous

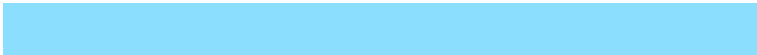
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.4225, 66.5098, 80.8081



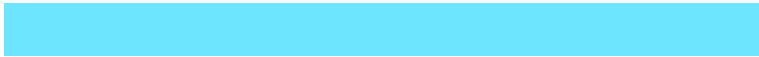
52.3760, 66.5098, 104.6849



58.3231, 66.5098, 121.7761

Triad

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



52.3760, 66.5098, 104.6849



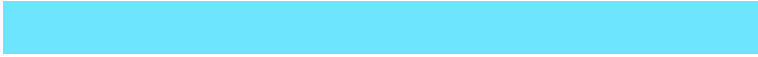
78.6778, 66.5098, 87.7817



60.4341, 66.5098, 37.5063

Complementary

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



52.3760, 66.5098, 104.6849



52.6653, 39.6934, 19.3560

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.



68.3743, 66.5098, 38.6063



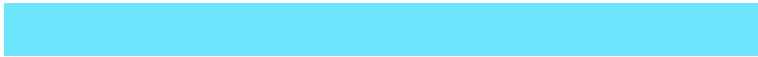
52.3760, 66.5098, 104.6849



79.3622, 66.5098, 64.6295

Square

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



52.3760, 66.5098, 104.6849



73.6574, 66.5098, 110.6965



75.4561, 66.5098, 47.5729



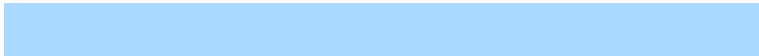
53.8104, 66.5098, 44.1700

Rectangle

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



52.3760, 66.5098, 104.6849



63.4020, 66.5098, 125.2639



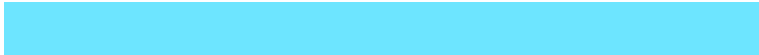
75.4561, 66.5098, 47.5729



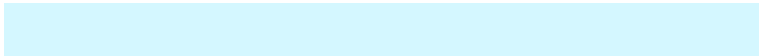
63.0295, 66.5098, 37.0221

Sweetspot

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



52.3779, 66.5122, 104.6853



78.4473, 87.8585, 107.4315



46.3248, 76.4746, 34.6331



16.4208, 18.5260, 22.9603



0.0000, 0.0000, 0.0000



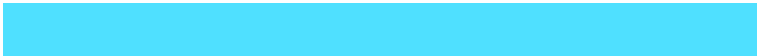
20.3446, 21.4041, 23.3091

Same Dimension

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



52.3779, 66.5122, 104.6853



47.8454, 62.0179, 104.0567



36.5286, 34.8136, 99.4022



18.2636, 19.8987, 23.1282



21.5214, 27.9524, 53.6956



2.1642, 2.8590, 5.2511

Inverse Universe

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



60.8528, 37.8563, 78.2309



57.4493, 32.2230, 73.4775



66.1530, 66.6688, 23.8519



18.6457, 18.2416, 22.0173



27.6512, 13.5498, 33.1434



2.7270, 1.3332, 3.4096

Previews

White Background



This preview shows how the XYZ color 52.3760, 66.5098, 104.6849 looks on a white background.

Color Contrast Check

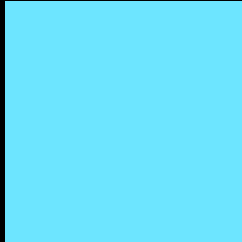
Large Text (above 18pt) WCAG AA × Fail

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 52.3760, 66.5098, 104.6849 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 52.3760, 66.5098, 104.6849

Background



This preview shows how black text looks on a background with the XYZ color 52.3760, 66.5098, 104.6849.

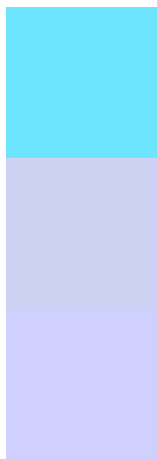


This preview shows how white text looks on a background with the XYZ color 52.3760, 66.5098,

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

52.3760, 66.5098, 104.6849

Protanopia

64.5272, 65.6258, 93.2705

Deuteranopia

66.6183, 65.7416, 103.7860



Tritanopia

51.3396, 66.4974, 99.7519

Trichromacy



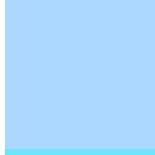
Original Color

52.3760, 66.5098, 104.6849



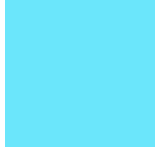
Protanomaly

58.3959, 64.9990, 97.4640



Deuteranomaly

59.6191, 65.1024, 104.0315



Tritanomaly

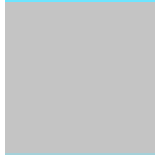
51.7728, 66.6845, 101.4095

Monochromacy



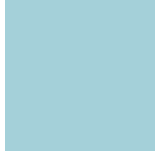
Original Color

52.3760, 66.5098, 104.6849



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.3901, 58.0140, 74.1876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3760, 66.5098, 104.6849 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.3760, 66.5098, 104.6849 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, 229, 255) }
```


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

```
.border{ border-color:rgb(109, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3760, 66.5098, 104.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 229, 255) }
```

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

```
.background{ background-color: rgb(109,  
229, 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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