

Converting Colors

XYZ(52.6892, 67.1883,
104.7994)

Have a look what the booklet for
XYZ(52.6892, 67.1883, 104.7994)
contains.

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Color

**XYZ(52.6535, 67.0648,
104.7774)**

Conversions

Conversions Part 1

Format	Color
Hex	6DE6FF
RGB	109, 230, 255
RGB Percent	43%, 90%, 100%
CMY	0.5725, 0.0980, 0.0000
CMYK	0.57, 0.10, 0.00, 0.00
HSL	190°, 100%, 71%
HSV	190°, 57%, 100%
XYZ	52.6535, 67.0648, 104.7774
YIQ	196.6710, -80.1410, -17.8770

Conversions

Conversions Part 2

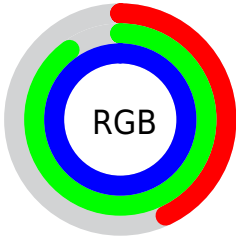
Format	Color
R _Y B	109, 175, 255
Decimal	7202559
CIE Lab	85.54, -27.01, -22.39
CIE LCh	86, 35.086, 219.655
Yxy	67.0648, 0.2345, 0.2987
Android (android.graphics.Color)	4285392639 (0xFF6DE6FF)
YUV	196.6710, 28.7562, -76.8875
Hunter-Lab	81.8931, -28.5456, -18.5329

Details

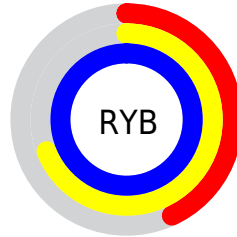
The XYZ color **52.6535, 67.0648, 104.7774** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5264, 39.4157, 19.3097**, and the grayscale version is **52.7415, 55.4882, 60.4266**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **25.8942, 34.6406, 58.7476** is the 20% darker color. If you saturate the color by 10%, you get **48.7601, 63.2779, 104.2517**, and if you desaturate by 10%, it is **57.4908, 71.3864, 105.3566**.

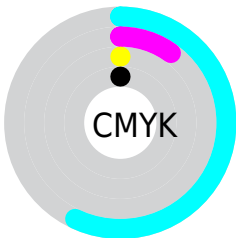
Distribution



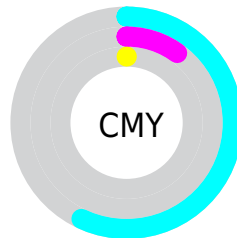
- Red (43%)
- Green (90%)
- Blue (100%)



- 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 52.6535, 67.0648, 104.7774 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 52.6535, 67.0648, 104.7774 by changing the saturation by 10% instead.

52.6535, 67.0648,
104.7774

52.6535, 67.0648,
104.7774

387.2370,
450.1754, 596.7803

37.7526, 49.1373,
79.6573

93.2628, 115.0133,
169.8160

25.9671, 34.7284,
58.9119

119.7020,
145.8030, 210.5715

16.9316, 23.4537,
42.1226

150.7179,
181.6489, 257.3760

10.2807, 14.9289,
28.8710

186.6760,
222.9355, 310.6478

5.6492, 8.7695,
18.7385

227.9416,
270.0470, 370.8056

2.6716, 4.5911,
11.3066

274.8801,

0.9826, 2.0094,

323.3679, 438.2680

6.1567

327.8567,
383.2825, 513.4533

■ 0.0000, 0.6129,
2.8703

■ 0.0000, 0.0000,
1.0288

■ 52.6535, 67.0648,
104.7774

■ 52.6535, 67.0648,
104.7774

■ 48.7601, 63.2779,
104.2517

■ 57.4908, 71.3864,
105.3566

■ 45.7235, 59.9760,
103.7744

■ 63.3379, 76.2726,
105.9916

■ 43.4500, 57.1121,
103.3414

■ 70.2613, 81.7596,
106.6858

■ 41.8162, 54.6222,
102.9469

■ 78.3201, 87.8780,
107.4420

■ 41.4286, 53.9773,
102.8429

■ 87.5691, 94.6563,
108.2629

95.0500, 100.0000,
108.9000

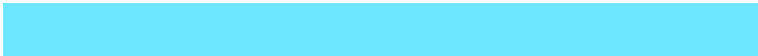
Harmonies

Analogous

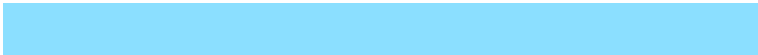
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.7926, 67.0648, 80.6358



52.6535, 67.0648, 104.7774



58.5602, 67.0648, 122.4093

Triad

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



52.6535, 67.0648, 104.7774



79.2248, 67.0648, 89.3756



61.2064, 67.0648, 37.7272

Complementary

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



52.6535, 67.0648, 104.7774



52.5264, 39.4157, 19.3097

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.



69.2231, 67.0648, 39.1069



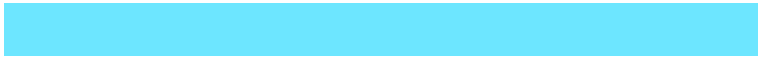
52.6535, 67.0648, 104.7774



80.0825, 67.0648, 65.9035

Square

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



52.6535, 67.0648, 104.7774



74.0355, 67.0648, 112.3097



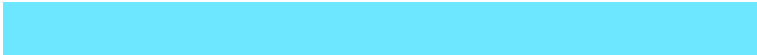
76.2897, 67.0648, 48.4342



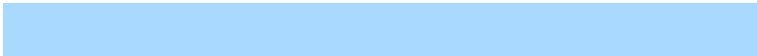
54.4517, 67.0648, 44.1667

Rectangle

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



52.6535, 67.0648, 104.7774



63.6507, 67.0648, 126.3143



76.2897, 67.0648, 48.4342



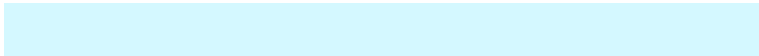
63.8355, 67.0648, 37.3287

Sweetspot

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



52.6554, 67.0672, 104.7778



78.5383, 88.0405, 107.4618



46.3248, 76.4746, 34.6331



16.4425, 18.5693, 22.9676



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.



52.6554, 67.0672, 104.7778



48.1698, 62.6668, 104.1648



36.5286, 34.8136, 99.4022



18.2746, 19.9209, 23.1319



21.7446, 28.3988, 53.7700



2.1839, 2.8985, 5.2576

Inverse Universe

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



60.9929, 37.9123, 78.9685



57.6130, 32.2886, 74.3399



66.1530, 66.6688, 23.8519



18.6513, 18.2438, 22.0468



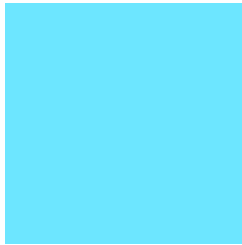
27.7639, 13.5948, 33.7366



2.7369, 1.3371, 3.4621

Previews

White Background



This preview shows how the XYZ color 52.6535, 67.0648, 104.7774 looks on a white background.

Color Contrast Check

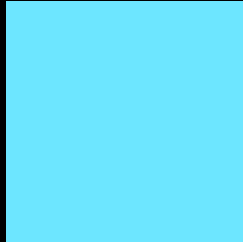
Large Text (above 18pt) WCAG AA × Fail

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 52.6535, 67.0648, 104.7774 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 52.6535, 67.0648, 104.7774

Background



This preview shows how black text looks on a background with the XYZ color 52.6535, 67.0648, 104.7774.

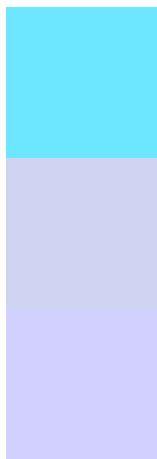


This preview shows how white text looks on a background with the XYZ color 52.6535, 67.0648,

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

52.6535, 67.0648, 104.7774

Protanopia

65.0534, 66.2647, 93.3661

Deuteranopia

67.1842, 66.0334, 103.8125



Tritanopia

51.8946, 67.1798, 100.6743

Trichromacy



Original Color

52.6535, 67.0648, 104.7774



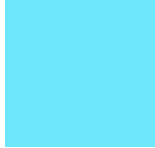
Protanomaly

58.6545, 65.5161, 97.5501



Deuteranomaly

59.8394, 65.2160, 104.0418



Tritanomaly

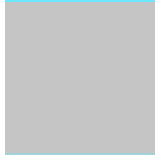
52.3309, 67.3682, 102.3407

Monochromacy



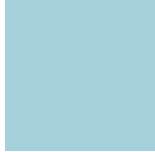
Original Color

52.6535, 67.0648, 104.7774



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.9724, 58.6622, 74.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6535, 67.0648, 104.7774 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.6535, 67.0648, 104.7774 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, 230, 255) }
```


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

```
.border{ border-color:rgb(109, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6535, 67.0648, 104.7774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 230, 255) }
```

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

```
.background{ background-color: rgb(109,  
230, 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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