

Converting Colors

XYZ(52.0338, 67.0534,
104.8079)

Have a look what the booklet for
XYZ(52.0338, 67.0534, 104.8079)
contains.

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Color

**XYZ(52.1054, 67.1966,
104.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	66E7FF
RGB	102, 231, 255
RGB Percent	40%, 91%, 100%
CMY	0.6000, 0.0941, 0.0000
CMYK	0.60, 0.09, 0.00, 0.00
HSL	189°, 100%, 70%
HSV	189°, 60%, 100%
XYZ	52.1054, 67.1966, 104.8317
YIQ	195.1650, -84.5880, -19.8840

Conversions

Conversions Part 2

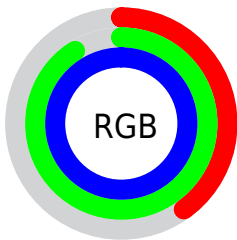
Format	Color
RYB	102, 172, 255
Decimal	6744063
CIELab	85.60, -28.73, -22.31
CIELCh	86, 36.375, 217.831
Yxy	67.1966, 0.2325, 0.2998
Android (android.graphics.Color)	4284934143 (0xFF66E7FF)
YUV	195.1650, 29.4987, -81.7057
Hunter-Lab	81.9735, -29.9925, -18.4414

Details

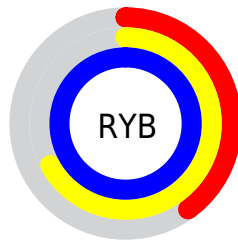
The XYZ color **52.1054, 67.1966, 104.8317** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.1001, 37.1424, 17.0484**, and the grayscale version is **51.8380, 54.5377, 59.3915**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.5731, 34.7630, 58.7882** is the 20% darker color. If you saturate the color by 10%, you get **48.5412, 63.7177, 104.3481**, and if you desaturate by 10%, it is **56.5875, 71.1896, 105.3662**.

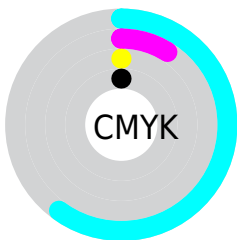
Distribution



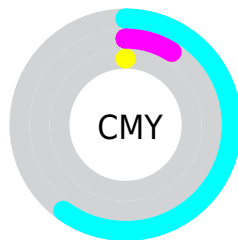
- Red (40%)
- Green (91%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1054, 67.1966, 104.8317 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 52.1054, 67.1966, 104.8317 by changing the saturation by 10% instead.

52.1054, 67.1966,
104.8317

52.1054, 67.1966,
104.8317

385.1607,
450.6442, 596.9534

37.3137, 49.2444,
79.7025

92.4600, 115.2021,
169.8909

25.6253, 34.8134,
58.9488

118.7536,
146.0242, 210.6580

16.6747, 23.5192,
42.1522

149.6118,
181.9050, 257.4748

10.0967, 14.9773,
28.8940

185.4001,
223.2290, 310.7599

5.5259, 8.8035,
18.7558

226.4838,
270.3805, 370.9317

2.5969, 4.6132,
11.3189

273.2282,

0.9444, 2.0222,

323.7439, 438.4089

6.1649

325.9987,
383.7037, 513.6100

■ 0.0000, 0.6203,
2.8752

■ 0.0000, 0.0000,
1.0313

■ 52.1054, 67.1966,
104.8317

■ 52.1054, 67.1966,
104.8317

■ 48.5412, 63.7177,
104.3481

■ 56.5875, 71.1896,
105.3662

■ 45.8044, 60.7016,
103.9102

■ 62.0557, 75.7277,
105.9540

■ 43.7962, 58.0986,
103.5136

■ 68.5782, 80.8478,
106.5985

■ 42.3518, 55.8234,
103.1506

■ 76.2154, 86.5813,
107.3026

■ 42.3514, 55.8227,
103.1505

■ 85.0232, 92.9571,
108.0691

95.0500, 100.0000,
108.9000

Harmonies

Analogous

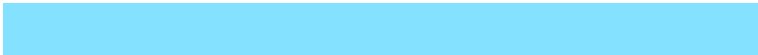
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3641, 67.1966, 79.5534



52.1054, 67.1966, 104.8317



58.0496, 67.1966, 124.0109

Triad

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



52.1054, 67.1966, 104.8317



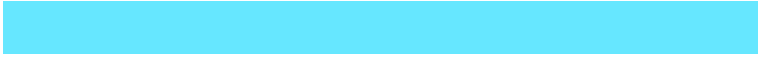
79.7690, 67.1966, 91.7463



61.7243, 67.1966, 36.6645

Complementary

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



52.1054, 67.1966, 104.8317



51.1001, 37.1424, 17.0484

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.



70.0635, 67.1966, 38.5535



52.1054, 67.1966, 104.8317



80.9672, 67.1966, 67.1293

Square

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



52.1054, 67.1966, 104.8317



74.1350, 67.1966, 115.3903



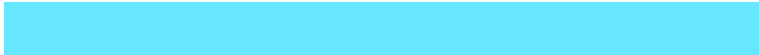
77.2804, 67.1966, 48.6201



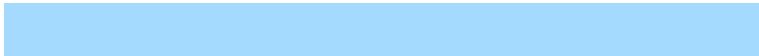
54.5962, 67.1966, 42.7486

Rectangle

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



52.1054, 67.1966, 104.8317



63.2681, 67.1966, 128.8148



77.2804, 67.1966, 48.6201



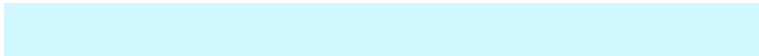
64.4724, 67.1966, 36.4175

Sweetspot

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



52.1073, 67.1990, 104.8321



77.8789, 87.8022, 107.4506



44.9393, 75.8248, 31.6547



16.1538, 18.4143, 22.9529



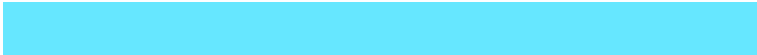
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.1073, 67.1990, 104.8321



47.9295, 63.0777, 104.2568



35.3444, 33.6732, 99.2445



18.2979, 19.9675, 23.1397



22.2206, 29.3508, 53.9287



2.2259, 2.9825, 5.2716

Inverse Universe

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



60.4165, 36.5341, 79.4713



57.2741, 31.3196, 75.1240



64.6310, 64.2042, 21.5587



18.6630, 18.2485, 22.1087



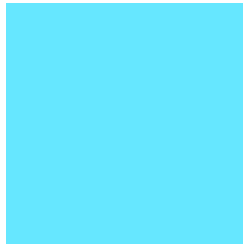
28.0041, 13.6909, 35.0018



2.7581, 1.3456, 3.5738

Previews

White Background



This preview shows how the XYZ color 52.1054, 67.1966, 104.8317 looks on a white background.

Color Contrast Check

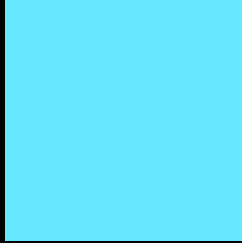
Large Text (above 18pt) WCAG AA × Fail

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 52.1054, 67.1966, 104.8317 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 52.1054, 67.1966, 104.8317

Background



This preview shows how black text looks on a background with the XYZ color 52.1054, 67.1966, 104.8317.

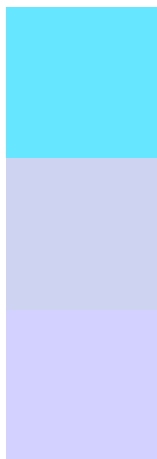


This preview shows how white text looks on a background with the XYZ color 52.1054, 67.1966,

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

52.1054, 67.1966, 104.8317

Protanopia

65.0534, 66.2647, 93.3661

Deuteranopia

67.4288, 66.5226, 103.8940



Tritanopia

51.5247, 67.3876, 101.5583

Trichromacy



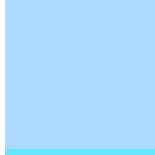
Original Color

52.1054, 67.1966, 104.8317



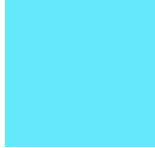
Protanomaly

58.2221, 65.2932, 97.5299



Deuteranomaly

59.6574, 65.5036, 104.1069



Tritanomaly

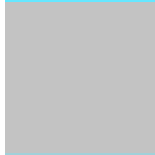
51.7941, 67.5082, 102.3960

Monochromacy



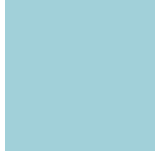
Original Color

52.1054, 67.1966, 104.8317



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.7782, 57.6986, 74.1590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1054, 67.1966, 104.8317 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(102, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 231, 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(102, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.1054, 67.1966, 104.8317 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(102, 231, 255) }
```


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

```
.border{ border-color:rgb(102, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1054, 67.1966, 104.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 231, 255) }
```

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

```
.background{ background-color: rgb(102,  
231, 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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