

Converting Colors

XYZ(50.3298, 63.6446,
104.2397)

Have a look what the booklet for
XYZ(50.3298, 63.6446, 104.2397)
contains.

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Color

**XYZ(50.4547, 63.8952,
104.2815)**

Conversions

Conversions Part 1

Format	Color
Hex	66E1FF
RGB	102, 225, 255
RGB Percent	40%, 88%, 100%
CMY	0.6000, 0.1176, 0.0000
CMYK	0.60, 0.12, 0.00, 0.00
HSL	192°, 100%, 70%
HSV	192°, 60%, 100%
XYZ	50.4547, 63.8952, 104.2815
YIQ	191.6430, -82.9380, -16.7460

Conversions

Conversions Part 2

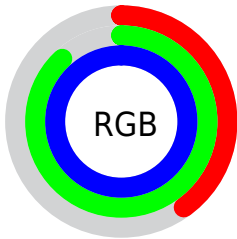
Format	Color
RYB	102, 170, 255
Decimal	6742527
CIELab	83.91, -25.80, -24.88
CIELCh	84, 35.846, 223.957
Yxy	63.8952, 0.2308, 0.2923
Android (android.graphics.Color)	4284932607 (0xFF66E1FF)
YUV	191.6430, 31.2350, -78.6169
Hunter-Lab	79.9345, -27.2160, -21.3949

Details

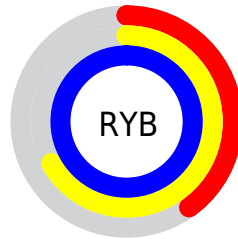
The XYZ color **50.4547, 63.8952, 104.2815** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.8906, 38.7233, 17.3119**, and the grayscale version is **49.7554, 52.3465, 57.0054**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.4811, 32.5048, 58.4098** is the 20% darker color. If you saturate the color by 10%, you get **46.6652, 59.9657, 103.7228**, and if you desaturate by 10%, it is **55.1759, 68.3665, 104.8957**.

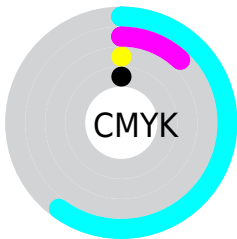
Distribution



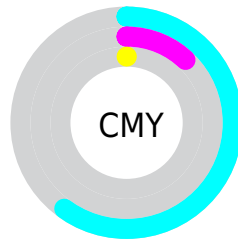
- Red (40%)
- Green (88%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4547, 63.8952, 104.2815 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 50.4547, 63.8952, 104.2815 by changing the saturation by 10% instead.

50.4547, 63.8952,
104.2815

50.4547, 63.8952,
104.2815

378.8641,
438.8111, 595.1976

35.9941, 46.5658,
79.2442

90.0360, 110.4600,
169.1316

24.5997, 32.6925,
58.5741

115.8874,
140.4642, 209.7815

15.9062, 21.8910,
41.8526

146.2665,
175.4621, 256.4728

9.5482, 13.7768,
28.6612

181.5386,
215.8381, 309.6239

5.1604, 7.9656,
18.5813

222.0690,
261.9766, 369.6534

2.3774, 4.0730,
11.1944

268.2232,

0.8338, 1.7145,

314.2620, 436.9798

6.0819

320.3664,
373.0787, 512.0217

■ 0.0000, 0.4330,
2.8254

■ 0.0000, 0.0000,
1.0062

■ 50.4547, 63.8952,
104.2815

■ 50.4547, 63.8952,
104.2815

■ 46.6652, 59.9657,
103.7228

■ 55.1759, 68.3665,
104.8957

■ 43.7171, 56.5269,
103.2144

■ 60.8975, 73.4113,
105.5679

■ 41.5112, 53.5285,
102.7519

■ 67.6877, 79.0668,
106.3016

■ 39.8825, 50.8848,
102.3275

■ 75.6071, 85.3646,
107.0998

■ 39.8820, 50.8840,
102.3273

■ 84.7116, 92.3341,
107.9652

95.0500, 100.0000,
108.9000

Harmonies

Analogous

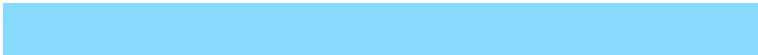
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1699, 63.8952, 80.5807



50.4547, 63.8952, 104.2815



56.6350, 63.8952, 120.2151

Triad

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



50.4547, 63.8952, 104.2815



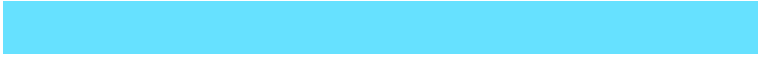
76.5019, 63.8952, 82.2776



57.1458, 63.8952, 35.3606

Complementary

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



50.4547, 63.8952, 104.2815



51.8906, 38.7233, 17.3119

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.



65.0187, 63.8952, 35.6219



50.4547, 63.8952, 104.2815



76.6688, 63.8952, 59.6128

Square

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



50.4547, 63.8952, 104.2815



71.8766, 63.8952, 105.7533



72.3145, 63.8952, 43.5692



50.8006, 63.8952, 42.7556

Rectangle

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



50.4547, 63.8952, 104.2815



61.7829, 63.8952, 122.5164



72.3145, 63.8952, 43.5692



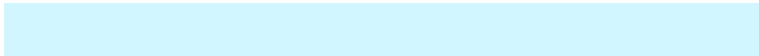
59.6901, 63.8952, 34.6152

Sweetspot

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



50.4565, 63.8975, 104.2818



77.3287, 86.7018, 107.2672



45.2735, 75.9585, 33.4143



16.0179, 18.1426, 22.9076



0.0000, 0.0000, 0.0000



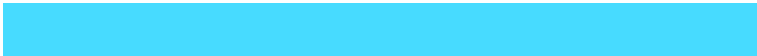
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4565, 63.8975, 104.2818



46.0100, 59.2389, 103.6170



34.5096, 32.0036, 98.9662



18.2345, 19.8406, 23.1185



20.9463, 26.8021, 53.5039



2.1131, 2.7569, 5.2340

Inverse Universe

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



59.5832, 36.2007, 75.0836



56.3052, 30.9321, 70.0222



65.8432, 66.6286, 21.9628



18.6310, 18.2357, 21.9400



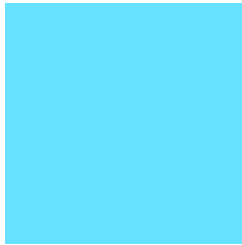
27.3609, 13.4337, 31.6146



2.7012, 1.3229, 3.2740

Previews

White Background



This preview shows how the XYZ color 50.4547, 63.8952, 104.2815 looks on a white background.

Color Contrast Check

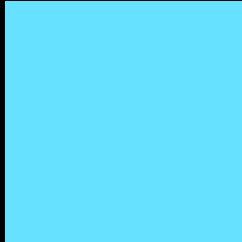
Large Text (above 18pt) WCAG AA × Fail

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 50.4547, 63.8952, 104.2815 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 50.4547, 63.8952, 104.2815

Background



This preview shows how black text looks on a background with the XYZ color 50.4547, 63.8952, 104.2815.

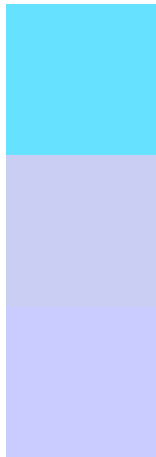


This preview shows how white text looks on a background with the XYZ color 50.4547, 63.8952,

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

50.4547, 63.8952, 104.2815

Protanopia

62.1857, 62.9709, 92.8815

Deuteranopia

64.0000, 62.9623, 103.3875



Tritanopia

48.9875, 64.1274, 96.1821

Trichromacy



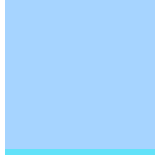
Original Color

50.4547, 63.8952, 104.2815



Protanomaly

56.0998, 62.3032, 97.0646



Deuteranomaly

57.3194, 62.4140, 103.6338



Tritanomaly

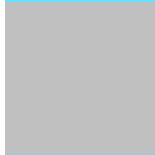
49.4408, 63.8849, 99.3477

Monochromacy



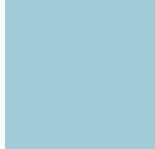
Original Color

50.4547, 63.8952, 104.2815



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.1567, 55.4630, 72.4573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4547, 63.8952, 104.2815 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, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 225, 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, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4547, 63.8952, 104.2815 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, 225, 255) }
```


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

```
.border{ border-color:rgb(102, 225, 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, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4547, 63.8952, 104.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 225, 255) }
```

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

```
.background{ background-color: rgb(102,  
225, 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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