

Converting Colors

XYZ(48.7387, 58.4711,
120.0806)

Have a look what the booklet for
XYZ(48.7387, 58.4711, 120.0806)
contains.

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Color

**XYZ(45.4899, 57.0625,
103.2243)**

Conversions

Conversions Part 1

Format	Color
Hex	51D6FF
RGB	81, 214, 255
RGB Percent	32%, 84%, 100%
CMY	0.6823, 0.1608, 0.0000
CMYK	0.68, 0.16, 0.00, 0.00
HSL	194°, 100%, 66%
HSV	194°, 68%, 100%
XYZ	45.4899, 57.0625, 103.2243
YIQ	178.9070, -92.4290, -15.4450

Conversions

Conversions Part 2

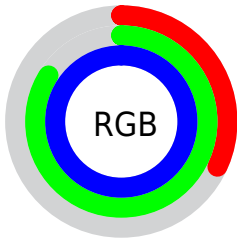
Format	Color
R _Y B	81, 156, 255
Decimal	5363455
CIE Lab	80.21, -23.61, -30.59
CIE LCh	80, 38.640, 232.333
Yxy	57.0625, 0.2211, 0.2773
Android (android.graphics.Color)	4283553535 (0xFF51D6FF)
YUV	178.9070, 37.5138, -85.8644
Hunter-Lab	75.5397, -24.7021, -28.1414

Details

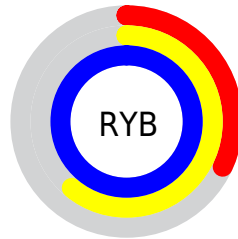
The XYZ color **45.4899, 57.0625, 103.2243** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **49.6860, 35.7751, 12.0732**, and the grayscale version is **42.6423, 44.8631, 48.8559**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **22.5912, 28.8735, 57.8085** is the 20% darker color. If you saturate the color by 10%, you get **42.2082, 53.1558, 102.6432**, and if you desaturate by 10%, it is **49.6510, 61.5080, 103.8631**.

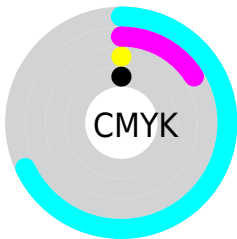
Distribution



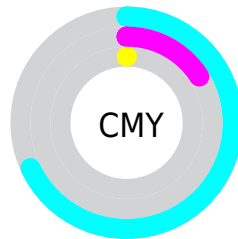
- Red (32%)
- Green (84%)
- Blue (100%)



- Red (32%)
- Yellow (61%)
- Blue (100%)



- Cyan (68%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4899, 57.0625, 103.2243 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 45.4899, 57.0625, 103.2243 by changing the saturation by 10% instead.

45.4899, 57.0625,
103.2243

45.4899, 57.0625,
103.2243

359.5045,
413.6835, 591.8161

32.0464, 41.0554,
78.3642

82.6876, 100.5564,
167.6715

21.5527, 28.3624,
57.8550

107.1725,
128.8120, 208.0956

13.6433, 18.5990,
41.2781

136.0687,
161.9192, 254.5448

7.9531, 11.3809,
28.2151

169.7413,
200.2624, 307.4377

4.1165, 6.3236,
18.2474

208.5559,
244.2261, 367.1927

1.7682, 3.0429,
10.9565

252.8777,

0.4984, 1.1542,

294.1945, 434.2284

5.9238

303.0721,
350.5522, 508.9634

■ 0.0000, 0.0238,
2.7308

■ 0.0000, 0.0000,
0.9589

■ 45.4899, 57.0625,
103.2243

■ 45.4899, 57.0625,
103.2243

■ 42.2082, 53.1558,
102.6432

■ 49.6510, 61.5080,
103.8631

■ 39.7030, 49.7307,
102.1142

■ 54.7692, 66.5300,
104.5627

■ 37.8413, 46.7188,
101.6309

■ 60.9191, 72.1689,
105.3270

■ 37.5460, 46.2120,
101.5487

■ 68.1663, 78.4593,
106.1592

■ 76.5707, 85.4329,
107.0622

■ 86.1876, 93.1192,
108.0390

95.0500, 100.0000,
108.9000

Harmonies

Analogous

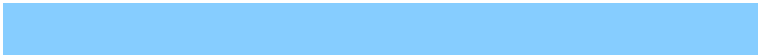
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3874, 57.0625, 80.1320



45.4899, 57.0625, 103.2243



52.2386, 57.0625, 115.8564

Triad

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



45.4899, 57.0625, 103.2243



70.6903, 57.0625, 68.1059



48.6773, 57.0625, 30.0029

Complementary

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



45.4899, 57.0625, 103.2243



49.6860, 35.7751, 12.0732

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.



56.2841, 57.0625, 28.2718



45.4899, 57.0625, 103.2243



69.5020, 57.0625, 47.0510

Square

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



45.4899, 57.0625, 103.2243



67.1429, 57.0625, 92.6173



64.0373, 57.0625, 33.7115



43.0995, 57.0625, 39.1979

Rectangle

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



45.4899, 57.0625, 103.2243



57.5390, 57.0625, 114.9291



64.0373, 57.0625, 33.7115



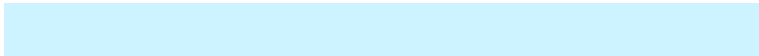
51.0623, 57.0625, 28.6365

Sweetspot

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



45.4916, 57.0645, 103.2246



74.9973, 84.1483, 106.8972



42.6429, 74.6652, 30.4496



15.5339, 17.5840, 22.8253



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.



45.4916, 57.0645, 103.2246



41.1786, 51.8112, 102.4380



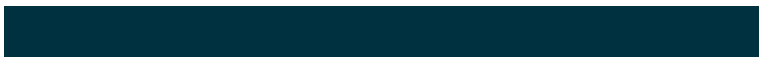
29.0864, 24.2541, 97.7562



18.1708, 19.7132, 23.0973



19.7391, 24.3878, 53.1015



2.0053, 2.5413, 5.1981

Inverse Universe

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



56.3212, 32.0016, 66.8289



53.3209, 27.6493, 60.7472



65.4287, 67.2605, 17.3208



18.5988, 18.2229, 21.7707



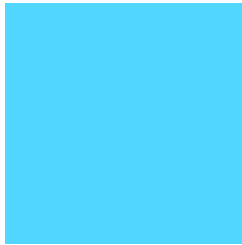
26.7516, 13.1899, 28.4060



2.6468, 1.3011, 2.9874

Previews

White Background



This preview shows how the XYZ color 45.4899, 57.0625, 103.2243 looks on a white background.

Color Contrast Check

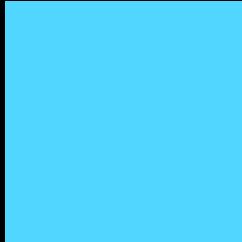
Large Text (above 18pt) WCAG AA × Fail

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 45.4899, 57.0625, 103.2243 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

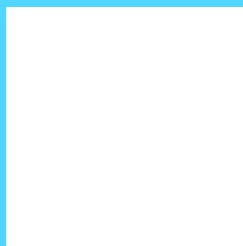
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4899, 57.0625, 103.2243

Background



This preview shows how black text looks on a background with the XYZ color 45.4899, 57.0625, 103.2243.

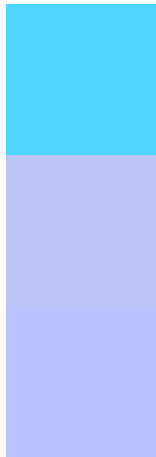


This preview shows how white text looks on a background with the XYZ color 45.4899, 57.0625,

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

45.4899, 57.0625, 103.2243

Protanopia

56.2605, 56.4555, 91.9361

Deuteranopia

57.3323, 56.4406, 102.4801



Tritanopia

42.2625, 56.8891, 87.3505

Trichromacy



Original Color

45.4899, 57.0625, 103.2243

Protanomaly

50.3572, 55.7232, 96.0972

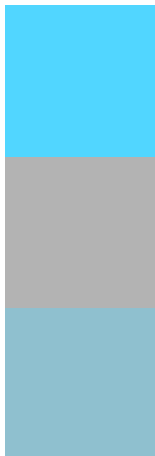
Deuteranomaly

51.2032, 55.6641, 102.6533

Tritanomaly

43.3305, 56.9390, 92.7110

Monochromacy



Original Color

45.4899, 57.0625, 103.2243

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.4398, 48.0439, 66.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4899, 57.0625, 103.2243 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(81, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(81, 214, 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(81, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4899, 57.0625, 103.2243 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(81, 214, 255) }
```


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

```
.border{ border-color:rgb(81, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(81, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4899, 57.0625, 103.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 214, 255) }
```

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

```
.background{ background-color: rgb(81, 214,  
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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