

Converting Colors

XYZ(45.7867, 54.9100, 90.6235)

Have a look what the booklet for
XYZ(45.7867, 54.9100, 90.6235)
contains.

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Color

**XYZ(45.7867, 54.9100,
90.6235)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 78CFF0 |
| RGB | 120, 207, 240 |
| RGB Percent | 47%, 81%, 94% |
| CMY | 0.5294, 0.1882, 0.0588 |
| CMYK | 0.50, 0.14, 0.00, 0.06 |
| HSL | 196°, 80%, 71% |
| HSV | 196°, 50%, 94% |
| XYZ | 45.7867, 54.9100, 90.6235 |
| YIQ | 184.7490, -62.4450, -8.1810 |

Conversions

Conversions Part 2

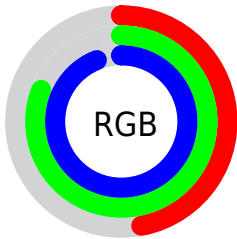
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 120, 170, 240 |
| Decimal | 7917552 |
| CIE Lab | 78.99, -17.48, -24.35 |
| CIE LCh | 79, 29.979, 234.330 |
| Yxy | 54.9100, 0.2393, 0.2870 |
| Android (android.graphics.Color) | 4286107632 (0xFF78CFF0) |
| YUV | 184.7490, 27.2387, -56.7849 |
| Hunter-Lab | 74.1013, -19.3833, -20.6389 |

Details

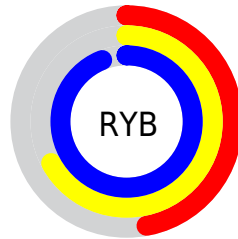
The XYZ color **45.7867, 54.9100, 90.6235** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.7178, 42.6652, 23.3331**, and the grayscale version is **45.8546, 48.2426, 52.5362**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **21.7879, 27.1427, 49.4381** is the 20% darker color. If you saturate the color by 10%, you get **41.3006, 50.2741, 89.9661**, and if you desaturate by 10%, it is **51.1772, 60.1136, 91.3448**.

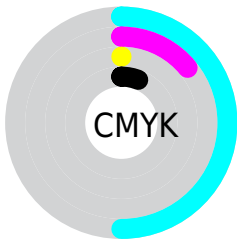
Distribution



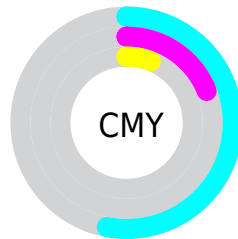
- Red (47%)
- Green (81%)
- Blue (94%)



- Red (47%)
- Yellow (67%)
- Blue (94%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)



- Cyan (53%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7867, 54.9100, 90.6235 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 45.7867, 54.9100, 90.6235 by changing the saturation by 10% instead.

■ 45.7867, 54.9100,
90.6235

■ 45.7867, 54.9100,
90.6235

360.6808,
405.5707, 550.6793

■ 32.2814, 39.3297,
67.9213

■ 83.1295, 97.4091,
150.1472

■ 21.7332, 27.0163,
49.3674

■ 107.6978,
125.0966, 187.8058

■ 13.7765, 17.5855,
34.5434

■ 136.6844,
157.5887, 231.2869

■ 8.0460, 10.6528,
23.0306

170.4548,
195.2697, 281.0091

■ 4.1765, 5.8339,
14.4106

209.3743,
238.5240, 337.3909

■ 1.8024, 2.7443,
8.2648

253.8082,

■ 0.5191, 0.9998,

287.7360, 400.8508

4.1746

304.1219,
343.2901, 471.8075

■ 0.0000, 0.0000,
1.7216

■ 0.0000, 0.0000,
0.3755

■ 45.7867, 54.9100,
90.6235

■ 45.7867, 54.9100,
90.6235

■ 41.3006, 50.2741,
89.9661

■ 51.1772, 60.1136,
91.3448

■ 37.6493, 46.1655,
89.3655

■ 57.5245, 65.9098,
92.1290

■ 34.7611, 42.5471,
88.8193

■ 64.8832, 72.3289,
92.9802

■ 32.5486, 39.3725,
88.3232

■ 73.3020, 79.3972,
93.9008

■ 30.8653, 36.5651,
87.8700

■ 82.8264, 87.1393,
94.8932

■ 30.8650, 36.5646,
87.8699

■ 90.1076, 93.8299,
95.8008

■ 92.1575, 97.9296,
96.4841

■ 92.7284, 99.0713,
96.6744

Harmonies

Analogous

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



42.4257, 54.9100, 74.3601



45.7867, 54.9100, 90.6235



51.0658, 54.9100, 98.7723

Triad

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



45.7867, 54.9100, 90.6235



64.4498, 54.9100, 63.0906



47.6082, 54.9100, 34.5835

Complementary

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



45.7867, 54.9100, 90.6235



50.7178, 42.6652, 23.3331

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.



53.3312, 54.9100, 32.7057



45.7867, 54.9100, 90.6235



63.3488, 54.9100, 47.2555

Square

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



45.7867, 54.9100, 90.6235



62.0686, 54.9100, 81.0492



59.1648, 54.9100, 36.8847



43.4200, 54.9100, 42.6133

Rectangle

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



45.7867, 54.9100, 90.6235



55.0795, 54.9100, 97.5741



59.1648, 54.9100, 36.8847



49.4040, 54.9100, 33.2849

Sweetspot

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



45.7885, 54.9121, 90.6248



79.0868, 86.9250, 107.2176



44.5747, 68.5815, 40.5958



16.4968, 18.2422, 22.9016



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.



45.7885, 54.9121, 90.6248



47.3052, 57.5962, 103.2317



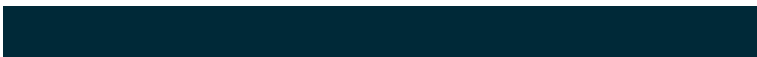
34.0654, 31.4660, 86.7171



15.8585, 17.1511, 20.1963



17.0127, 20.2496, 48.1398



1.4979, 1.8499, 4.0323

Inverse Universe

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



53.9156, 36.4648, 63.2304



57.9923, 35.5631, 66.7096



62.8701, 66.9697, 27.3838



16.2580, 15.9529, 18.9149



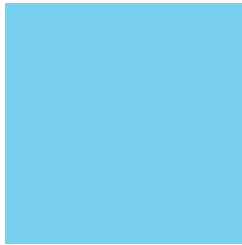
23.9128, 11.8376, 23.2553



2.0310, 1.0015, 2.1543

Previews

White Background



This preview shows how the XYZ color 45.7867, 54.9100, 90.6235 looks on a white background.

Color Contrast Check

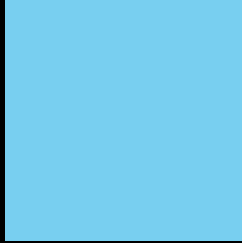
Large Text (above 18pt) WCAG AA × Fail

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 45.7867, 54.9100, 90.6235 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

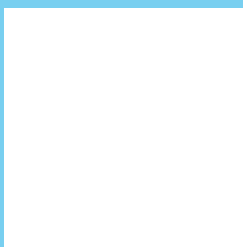
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7867, 54.9100, 90.6235

Background



This preview shows how black text looks on a background with the XYZ color 45.7867, 54.9100, 90.6235.

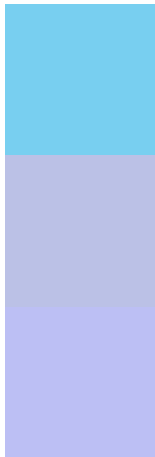


This preview shows how white text looks on a background with the XYZ color 45.7867, 54.9100,

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

45.7867, 54.9100, 90.6235

Protanopia

53.8464, 54.4179, 82.5286

Deuteranopia

55.6990, 54.4846, 93.1689



Tritanopia

43.5982, 54.7368, 80.2189

Trichromacy



Original Color

45.7867, 54.9100, 90.6235

Protanomaly

50.1496, 54.1152, 85.6440

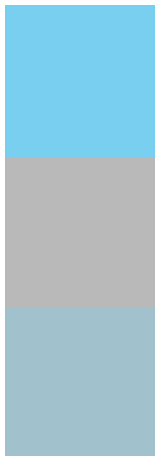
Deuteranomaly

51.2482, 54.1901, 92.5527

Tritanomaly

44.3158, 54.6632, 83.8167

Monochromacy



Original Color

45.7867, 54.9100, 90.6235

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.7874, 50.1248, 65.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7867, 54.9100, 90.6235 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(120, 207, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 207, 240)  
}
```

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(120, 207, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 207, 240) }
```

Border

The CSS property to change the border of an element to XYZ 45.7867, 54.9100, 90.6235 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(120, 207, 240) }
```


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

```
.border{ border-color:rgb(120, 207, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 207, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 207, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 207, 240);  
box-shadow:4px 4px 4px 4px rgb(120, 207,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7867, 54.9100, 90.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 207, 240) }
```

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

```
.background{ background-color: rgb(120,  
207, 240) }
```

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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