

Converting Colors

XYZ(45.3823, 54.3921, 88.2273)

Have a look what the booklet for
XYZ(45.3823, 54.3921, 88.2273)
contains.

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Color

**XYZ(45.3834, 54.3946,
88.2280)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACEED
RGB	122, 206, 237
RGB Percent	48%, 81%, 93%
CMY	0.5215, 0.1921, 0.0706
CMYK	0.49, 0.13, 0.00, 0.07
HSL	196°, 76%, 70%
HSV	196°, 49%, 93%
XYZ	45.3834, 54.3946, 88.2280
YIQ	184.4180, -60.0150, -8.1670

Conversions

Conversions Part 2

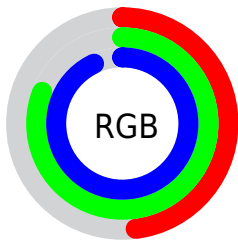
Format	Color
RYB	122, 171, 237
Decimal	8048365
CIELab	78.69, -17.35, -23.20
CIELCh	79, 28.967, 233.204
Yxy	54.3946, 0.2414, 0.2893
Android (android.graphics.Color)	4286238445 (0xFF7ACEED)
YUV	184.4180, 25.9229, -54.7406
Hunter-Lab	73.7527, -19.2280, -19.2999

Details

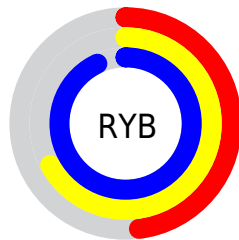
The XYZ color **45.3834, 54.3946, 88.2280** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.8304, 42.1935, 23.9319**, and the grayscale version is **45.6774, 48.0562, 52.3332**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **21.5553, 26.8168, 47.7561** is the 20% darker color. If you saturate the color by 10%, you get **40.9214, 49.8585, 87.5886**, and if you desaturate by 10%, it is **50.7296, 59.4816, 88.9291**.

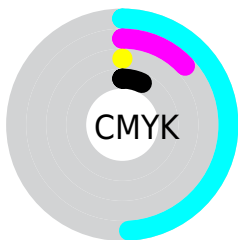
Distribution



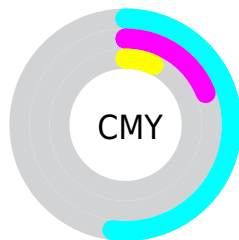
- Red (48%)
- Green (81%)
- Blue (93%)



- Red (48%)
- Yellow (67%)
- Blue (93%)



- Cyan (49%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (52%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3834, 54.3946, 88.2280 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 45.3834, 54.3946, 88.2280 by changing the saturation by 10% instead.

■ 45.3834, 54.3946,
88.2280

■ 45.3834, 54.3946,
88.2280

359.0818,
403.6130, 542.6702

■ 31.9621, 38.9172,
65.9465

■ 82.5290, 96.6534,
146.7885

■ 21.4879, 26.6953,
47.7728

■ 106.9839,
124.2036, 183.9045

■ 13.5956, 17.3445,
33.2883

■ 135.8475,
156.5468, 226.8025

■ 7.9198, 10.4805,
22.0744

169.4850,
194.0676, 275.9009

■ 4.0950, 5.7187,
13.7128

208.2619,
237.1502, 331.6184

■ 1.7560, 2.6748,
7.7847

252.5434,

■ 0.4910, 0.9644,

286.1790, 394.3734

3.8717

302.6949,
341.5384, 464.5845

■ 0.0000, 0.0000,
1.5552

■ 0.0000, 0.0000,
0.2586

■ 45.3834, 54.3946,
88.2280

■ 45.3834, 54.3946,
88.2280

■ 40.9214, 49.8585,
87.5886

■ 50.7296, 59.4816,
88.9291

■ 37.2771, 45.8345,
87.0040


■ 57.0098, 65.1429,
89.6908


■ 34.3826, 42.2877,
86.4719


■ 64.2764, 71.4076,
90.5171

■ 32.1558, 39.1745,
85.9884

■ 72.5760, 78.3008,
91.4101


 30.4779, 36.4327,
85.5476

 81.9522, 85.8460,
92.3723

 30.2521, 36.0461,
85.4849

 88.9777, 92.2774,
93.2434

 90.9370, 96.1959,
93.8965

 92.2862, 98.8945,
94.3463

Harmonies

Analogous

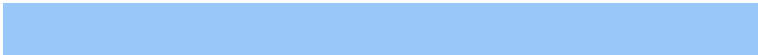
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2287, 54.3946, 72.5363



45.3834, 54.3946, 88.2280



50.4087, 54.3946, 96.3697

Triad

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



45.3834, 54.3946, 88.2280



63.4193, 54.3946, 63.0360



47.4834, 54.3946, 34.7194

Complementary

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



45.3834, 54.3946, 88.2280



49.8304, 42.1935, 23.9319

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.



53.0140, 54.3946, 33.1137



45.3834, 54.3946, 88.2280



62.4921, 54.3946, 47.6533

Square

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



45.3834, 54.3946, 88.2280



61.0257, 54.3946, 80.1872



58.5780, 54.3946, 37.3986



43.3771, 54.3946, 42.2793

Rectangle

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



45.3834, 54.3946, 88.2280



54.2558, 54.3946, 95.5257



58.5780, 54.3946, 37.3986



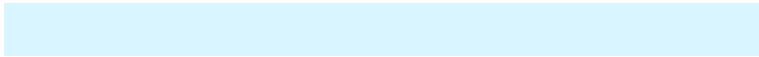
49.2266, 54.3946, 33.5308

Sweetspot

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



45.3851, 54.3967, 88.2293



79.1495, 87.0505, 107.2385



44.0340, 66.9961, 40.6054



16.5120, 18.2726, 22.9066



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.



45.3851, 54.3967, 88.2293



48.4596, 59.0204, 103.4457



34.0348, 31.6960, 84.4459



15.1543, 16.3951, 19.2881



16.6304, 19.9078, 46.7090



1.3846, 1.7208, 3.6940

Inverse Universe

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



53.0266, 36.3815, 62.6221



58.7909, 36.7094, 68.3663



61.5270, 65.5866, 27.8307



15.5315, 15.2404, 18.0839



23.2495, 11.5025, 22.9132



1.8654, 0.9191, 2.0086

Previews

White Background



This preview shows how the XYZ color 45.3834, 54.3946, 88.2280 looks on a white background.

Color Contrast Check

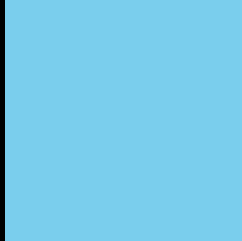
Large Text (above 18pt) WCAG AA × Fail

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 45.3834, 54.3946, 88.2280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

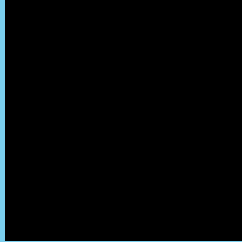
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3834, 54.3946, 88.2280

Background



This preview shows how black text looks on a background with the XYZ color 45.3834, 54.3946, 88.2280.

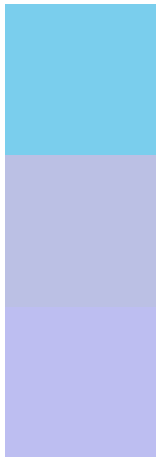


This preview shows how white text looks on a background with the XYZ color 45.3834, 54.3946,

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

45.3834, 54.3946, 88.2280

Protanopia

53.3467, 53.8655, 80.9842

Deuteranopia

55.2769, 53.9966, 90.7281



Tritanopia

43.6177, 54.3995, 79.4354

Trichromacy



Original Color

45.3834, 54.3946, 88.2280

Protanomaly

49.4943, 53.4886, 83.3170

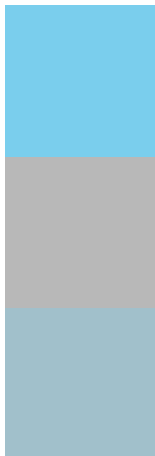
Deuteranomaly

50.9852, 53.7705, 90.1296

Tritanomaly

44.0634, 54.2047, 82.2689

Monochromacy



Original Color

45.3834, 54.3946, 88.2280

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.3271, 49.5881, 63.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3834, 54.3946, 88.2280 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(122, 206, 237)` looks like.

```
.text, #text, p{  
    color:rgb(122, 206, 237)  
}
```

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(122, 206, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 206, 237) }
```

Border

The CSS property to change the border of an element to XYZ 45.3834, 54.3946, 88.2280 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(122, 206, 237) }
```


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

```
.border{ border-color:rgb(122, 206, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 206, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 206, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 206, 237);  
box-shadow:4px 4px 4px 4px rgb(122, 206,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3834, 54.3946, 88.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 206, 237) }
```

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

```
.background{ background-color: rgb(122,  
206, 237) }
```

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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