

Converting Colors

XYZ(37.8323, 44.9909, 84.8429)

Have a look what the booklet for
XYZ(37.8323, 44.9909, 84.8429)
contains.

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Color

**XYZ(37.8808, 45.1471,
84.5596)**

Conversions

Conversions Part 1

Format	Color
Hex	5EBEEA
RGB	94, 190, 234
RGB Percent	37%, 75%, 92%
CMY	0.6313, 0.2549, 0.0823
CMYK	0.60, 0.19, 0.00, 0.08
HSL	199°, 77%, 64%
HSV	199°, 60%, 92%
XYZ	37.8808, 45.1471, 84.5596
YIQ	166.3120, -71.3400, -6.6680

Conversions

Conversions Part 2

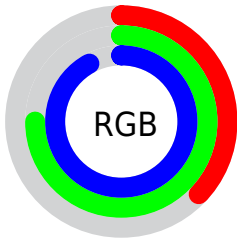
Format	Color
RYB	94, 151, 234
Decimal	6209258
CIELab	72.99, -15.61, -30.41
CIElCh	73, 34.182, 242.819
Yxy	45.1471, 0.2260, 0.2694
Android (android.graphics.Color)	4284399338 (0xFF5EBEEA)
YUV	166.3120, 33.3702, -63.4176
Hunter-Lab	67.1916, -16.9518, -27.5815

Details

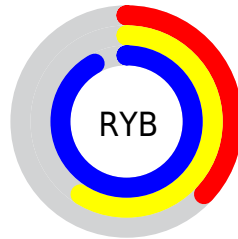
The XYZ color **37.8808, 45.1471, 84.5596** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **45.0420, 36.4794, 15.2586**, and the grayscale version is **36.2662, 38.1549, 41.5507**.

A 20% lighter version of the original color is **64.5233, 80.1001, 106.6679**, and **17.0566, 21.1444, 45.3018** is the 20% darker color. If you saturate the color by 10%, you get **34.2823, 40.9875, 83.9472**, and if you desaturate by 10%, it is **42.2898, 49.8456, 85.2350**.

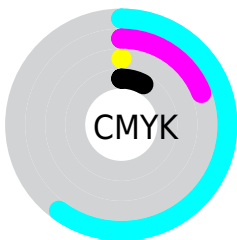
Distribution



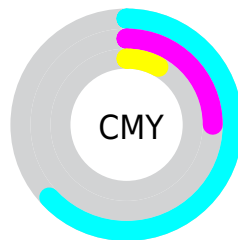
- Red (37%)
- Green (75%)
- Blue (92%)



- Red (37%)
- Yellow (59%)
- Blue (92%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (63%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8808, 45.1471, 84.5596 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 37.8808, 45.1471, 84.5596 by changing the saturation by 10% instead.

■ 37.8808, 45.1471,
84.5596

■ 37.8808, 45.1471,
84.5596

328.3981,
367.3690, 530.2762

■ 26.0670, 31.5733,
62.9295

■ 71.2305, 82.9411,
141.6264

■ 17.0067, 21.0358,
45.3435

■ 93.4970, 107.9301,
177.9002

■ 10.3346, 13.1502,
31.3832

■ 119.9786,
137.4930, 219.8923

■ 5.6853, 7.5320,
20.6299

■ 151.0404,
172.0141, 268.0212

■ 2.6935, 3.7970,
12.6651

187.0479,
211.8779, 322.7055

■ 0.9938, 1.5607,
7.0704

228.3665,

■ 0.0000, 0.3309,

257.4687, 384.3638

3.4270

275.3614,
309.1709, 453.4145

■ 0.0000, 0.0000,
1.3166

■ 0.0000, 0.0000,
0.0753

■ 37.8808, 45.1471,
84.5596

■ 37.8808, 45.1471,
84.5596

■ 34.2823, 40.9875,
83.9472

■ 42.2898, 49.8456,
85.2350

■ 31.4206, 37.3244,
83.3910

■ 47.5656, 55.1111,
85.9733

■ 29.2151, 34.1154,
82.8879

■ 53.7640, 60.9751,
86.7784

■ 27.5291, 31.2883,
82.4310

■ 60.9352, 67.4647,
87.6531

■ 27.5017, 31.2411,
82.4234

■ 69.1250, 74.6055,
88.5997

■ 78.3766, 82.4211,
89.6207

■ 87.6900, 90.3976,
90.6695

■ 89.9169, 94.8516,
91.4118

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



33.9739, 45.1471, 69.2012



37.8808, 45.1471, 84.5596



43.4776, 45.1471, 89.8170

Triad

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



37.8808, 45.1471, 84.5596



55.4194, 45.1471, 47.5596



36.9888, 45.1471, 26.3931

Complementary

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



37.8808, 45.1471, 84.5596



45.0420, 36.4794, 15.2586

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.



42.3493, 45.1471, 23.1024



37.8808, 45.1471, 84.5596



53.2922, 45.1471, 33.4141

Square

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



37.8808, 45.1471, 84.5596



53.9466, 45.1471, 65.7455



48.3678, 45.1471, 25.3402



33.4934, 45.1471, 35.6245

Rectangle

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



37.8808, 45.1471, 84.5596



47.5156, 45.1471, 86.0863



48.3678, 45.1471, 25.3402



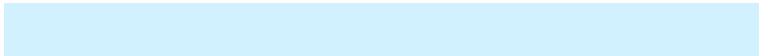
38.6139, 45.1471, 24.6667

Sweetspot

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



37.8823, 45.1487, 84.5607



75.7022, 83.4487, 106.7250



38.4842, 63.0040, 33.4272



15.6176, 17.3421, 22.7742



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.



37.8823, 45.1487, 84.5607



40.7117, 48.6422, 101.8509



26.4285, 22.2411, 80.7428



15.0952, 16.2769, 19.2684



15.5719, 17.7908, 46.3562



1.3082, 1.5679, 3.6686

Inverse Universe

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



47.2299, 29.2171, 51.8670



53.6309, 29.8624, 55.9392



58.0246, 62.4446, 19.5861



15.5016, 15.2285, 17.9268



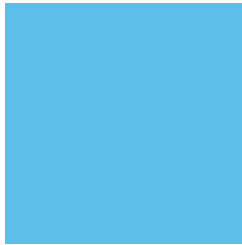
22.7153, 11.2888, 20.0997



1.8268, 0.9037, 1.8054

Previews

White Background



This preview shows how the XYZ color 37.8808, 45.1471, 84.5596 looks on a white background.

Color Contrast Check

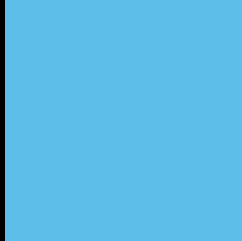
Large Text (above 18pt) WCAG AA × Fail

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 37.8808, 45.1471, 84.5596 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

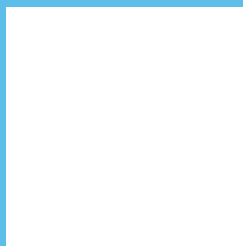
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8808, 45.1471, 84.5596

Background



This preview shows how black text looks on a background with the XYZ color 37.8808, 45.1471, 84.5596.



This preview shows how white text looks on a background with the XYZ color 37.8808, 45.1471,

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

37.8808, 45.1471, 84.5596

Protanopia

44.7058, 44.5395, 76.7617

Deuteranopia

45.7203, 44.5609, 86.3122



Tritanopia

34.4919, 45.0757, 67.8553

Trichromacy



Original Color

37.8808, 45.1471, 84.5596

Protanomaly

41.3427, 44.2246, 79.7560

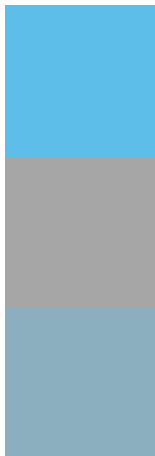
Deuteranomaly

41.9428, 44.1019, 85.6588

Tritanomaly

35.7866, 45.2806, 73.8717

Monochromacy



Original Color

37.8808, 45.1471, 84.5596

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.5492, 39.9970, 55.1368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8808, 45.1471, 84.5596 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(94, 190, 234)` looks like.

```
.text, #text, p{  
    color:rgb(94, 190, 234)  
}
```

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(94, 190, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 190, 234) }
```

Border

The CSS property to change the border of an element to XYZ 37.8808, 45.1471, 84.5596 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(94, 190, 234) }
```


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

```
.border{ border-color:rgb(94, 190, 234) }
```

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

Here you see how a box with a 4 pixel rgb(94, 190, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 190, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 190, 234);  
box-shadow:4px 4px 4px 4px rgb(94, 190,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8808, 45.1471, 84.5596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 190, 234) }
```

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

```
.background{ background-color: rgb(94, 190,  
234) }
```

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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