

Converting Colors

XYZ(48.1899, 56.7487, 88.9750)

Have a look what the booklet for
XYZ(48.1899, 56.7487, 88.9750)
contains.

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Color

**XYZ(48.3864, 57.0082,
89.3424)**

Conversions

Conversions Part 1

Format	Color
Hex	88D1EE
RGB	136, 209, 238
RGB Percent	53%, 82%, 93%
CMY	0.4666, 0.1804, 0.0667
CMYK	0.43, 0.12, 0.00, 0.07
HSL	197°, 75%, 73%
HSV	197°, 43%, 93%
XYZ	48.3864, 57.0082, 89.3424
YIQ	190.4790, -52.8170, -6.4570

Conversions

Conversions Part 2

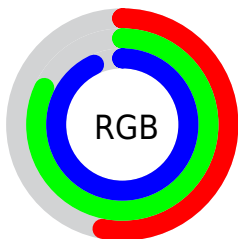
Format	Color
RYB	136, 179, 238
Decimal	8966638
CIELab	80.18, -15.35, -21.40
CIELCh	80, 26.339, 234.355
Yxy	57.0082, 0.2485, 0.2927
Android (android.graphics.Color)	4287156718 (0xFF88D1EE)
YUV	190.4790, 23.4279, -47.7781
Hunter-Lab	75.5038, -17.7403, -17.3043

Details

The XYZ color **48.3864, 57.0082, 89.3424** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.1601, 46.8661, 29.5384**, and the grayscale version is **49.1121, 51.6697, 56.2683**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **23.3893, 28.4824, 48.5209** is the 20% darker color. If you saturate the color by 10%, you get **43.3171, 51.9837, 88.6408**, and if you desaturate by 10%, it is **54.3879, 62.6205, 90.1104**.

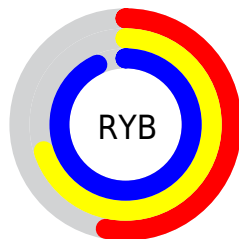
Distribution



Red (53%)

Green (82%)

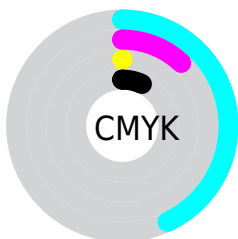
Blue (93%)



Red (53%)

Yellow (70%)

Blue (93%)

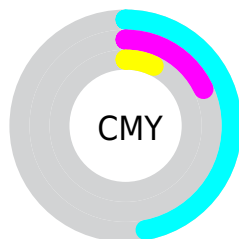


Cyan (43%)

Magenta (12%)

Yellow (0%)

Black (7%)



Cyan (47%)


Magenta (18%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3864, 57.0082, 89.3424 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 48.3864, 57.0082, 89.3424 by changing the saturation by 10% instead.

 48.3864, 57.0082,
89.3424


 48.3864, 57.0082,
89.3424


370.8788,
413.4800, 546.4042


 34.3455, 41.0118,
66.8647


 86.9857, 100.4772,
148.3521

 23.3233, 28.3283,
48.5138


 112.2747,
128.7185, 185.7213

 14.9544, 18.5733,
33.8711


 142.0439,
161.8103, 228.8914

 8.8735, 11.3624,
22.5180

176.6586,
200.1370, 278.2809

 4.7152, 6.3111,
14.0361

216.4840,
244.0829, 334.3084

 2.1142, 3.0352,
8.0067

261.8856,

 0.6969, 1.1501,

294.0325, 397.3924

4.0114

313.2288,
350.3700, 467.9515

■ 0.0000, 0.0204,
1.6316

■ 0.0000, 0.0000,
0.3132

■ 48.3864, 57.0082,
89.3424

■ 48.3864, 57.0082,
89.3424

■ 43.3171, 51.9837,
88.6408

■ 54.3879, 62.6205,
90.1104

■ 39.1164, 47.5091,
87.9985

■ 61.3693, 68.8426,
90.9434

■ 35.7207, 43.5516,
87.4136

■ 69.3813, 75.7032,
91.8454

■ 33.0547, 40.0710,
86.8823

■ 78.4693, 83.2269,
92.8186

■ 31.0274, 37.0191,
86.4000

■ 88.6742, 91.4359,
93.8652

■ 29.8709, 35.0492,
86.0808

■ 90.7348, 95.5572,
94.5521

■ 92.4328, 98.9531,
95.1181

Harmonies

Analogous

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



45.3105, 57.0082, 75.0852



48.3864, 57.0082, 89.3424



53.1751, 57.0082, 96.4018

Triad

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



48.3864, 57.0082, 89.3424



65.1250, 57.0082, 65.0273



50.0365, 57.0082, 38.8388

Complementary

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



48.3864, 57.0082, 89.3424



53.1601, 46.8661, 29.5384

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.



55.2068, 57.0082, 37.0466



48.3864, 57.0082, 89.3424



64.1476, 57.0082, 50.6570

Square

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



48.3864, 57.0082, 89.3424



63.0175, 57.0082, 80.9526



60.4284, 57.0082, 41.0063



46.2182, 57.0082, 46.3825

Rectangle

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



48.3864, 57.0082, 89.3424



56.7855, 57.0082, 95.3596



60.4284, 57.0082, 41.0063



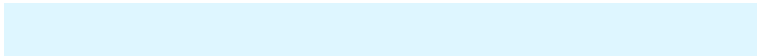
51.6644, 57.0082, 37.6022

Sweetspot

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



48.3882, 57.0104, 89.3437



80.9550, 88.3795, 107.3999



47.5117, 69.0976, 46.3843



16.8617, 18.5229, 22.9365



0.0000, 0.0000, 0.0000



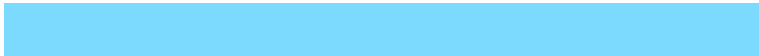
20.3446, 21.4041, 23.3091

Same Dimension

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



48.3882, 57.0104, 89.3437



51.5785, 61.7329, 103.8049



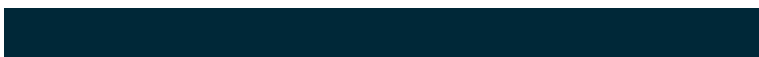
37.8314, 35.8968, 85.8248



15.8455, 17.1252, 20.1920



16.7803, 19.7848, 48.0623



1.4801, 1.8143, 4.0264

Inverse Universe

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



55.5742, 40.3905, 65.1910



61.2257, 40.9779, 71.0306



64.2354, 69.0166, 33.2301



16.2515, 15.9503, 18.8805



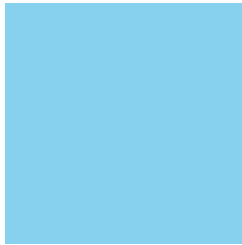
23.7955, 11.7906, 22.6376



2.0221, 0.9979, 2.1070

Previews

White Background



This preview shows how the XYZ color 48.3864, 57.0082, 89.3424 looks on a white background.

Color Contrast Check

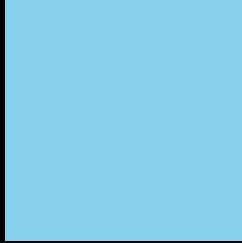
Large Text (above 18pt) WCAG AA × Fail

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 48.3864, 57.0082, 89.3424 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 48.3864, 57.0082, 89.3424

Background



This preview shows how black text looks on a background with the XYZ color 48.3864, 57.0082, 89.3424.



This preview shows how white text looks on a background with the XYZ color 48.3864, 57.0082,

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

48.3864, 57.0082, 89.3424

Protanopia

55.7611, 56.3995, 82.8102

Deuteranopia

57.9339, 56.6702, 91.1041



Tritanopia

46.9707, 57.1765, 81.9593

Trichromacy



Original Color

48.3864, 57.0082, 89.3424

Protanomaly

52.6079, 56.4271, 85.2096

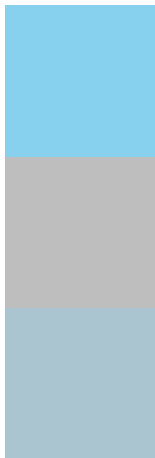
Deuteranomaly

53.6072, 56.1368, 90.4482

Tritanomaly

47.4436, 56.9877, 84.8431

Monochromacy



Original Color

48.3864, 57.0082, 89.3424

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8063, 52.9835, 66.7387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3864, 57.0082, 89.3424 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(136, 209, 238)` looks like.

```
.text, #text, p{  
    color:rgb(136, 209, 238)  
}
```

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(136, 209, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 209, 238) }
```

Border

The CSS property to change the border of an element to XYZ 48.3864, 57.0082, 89.3424 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(136, 209, 238) }
```


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

```
.border{ border-color:rgb(136, 209, 238) }
```

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

Here you see how a box with a 4 pixel rgb(136, 209, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 209, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 209, 238);  
box-shadow:4px 4px 4px 4px rgb(136, 209,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3864, 57.0082, 89.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 209, 238) }
```

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

```
.background{ background-color: rgb(136,  
209, 238) }
```

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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