

Converting Colors

XYZ(48.8584, 68.1864, 99.3931)

Have a look what the booklet for
XYZ(48.8584, 68.1864, 99.3931)
contains.

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Color

**XYZ(48.8584, 68.1864,
99.3931)**

Conversions

Conversions Part 1

Format	Color
Hex	38EDF8
RGB	56, 237, 248
RGB Percent	22%, 93%, 97%
CMY	0.7803, 0.0706, 0.0274
CMYK	0.77, 0.04, 0.00, 0.03
HSL	183°, 93%, 60%
HSV	183°, 77%, 97%
XYZ	48.8584, 68.1864, 99.3931
YIQ	184.1350, -111.4070, -34.9510

Conversions

Conversions Part 2

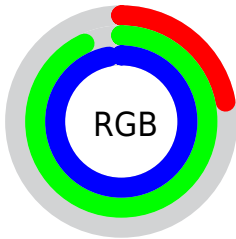
Format	Color
R _Y B	56, 149, 248
Decimal	3730936
CIE Lab	86.10, -39.55, -17.98
CIE LCh	86, 43.447, 204.444
Yxy	68.1864, 0.2257, 0.3150
Android (android.graphics.Color)	4281921016 (0xFF38EDF8)
YUV	184.1350, 31.4854, -112.3744
Hunter-Lab	82.5751, -38.8906, -13.5630

Details

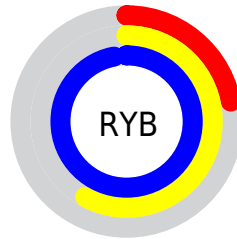
The XYZ color **48.8584, 68.1864, 99.3931** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.4343, 24.2586, 6.2422**, and the grayscale version is **45.5138, 47.8840, 52.1457**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **25.8357, 36.4483, 55.5427** is the 20% darker color. If you saturate the color by 10%, you get **47.3905, 66.8229, 99.2085**, and if you desaturate by 10%, it is **51.0194, 69.9150, 99.6141**.

Distribution



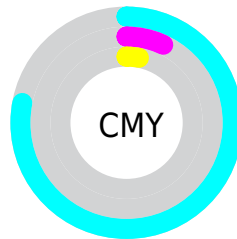
- Red (22%)
- Green (93%)
- Blue (97%)



- Red (22%)
- Yellow (58%)
- Blue (97%)



- Cyan (77%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)





- Cyan (78%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8584, 68.1864, 99.3931 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 48.8584, 68.1864, 99.3931 by changing the saturation by 10% instead.


 48.8584, 68.1864,
99.3931


 48.8584, 68.1864,
99.3931


372.7108,
454.1562, 579.4752


 34.7212, 50.0494,
75.1797


 87.6831, 116.6188,
162.3675


 23.6137, 35.4526,
55.2575


 113.1013,
147.6829, 201.9656

 15.1705, 24.0118,
39.2080


 143.0107,
183.8249, 247.5291

 9.0262, 15.3423,
26.6125

 177.7764,
225.4291, 299.4764

 4.8155, 9.0600,
17.0525

217.7640,
272.8799, 358.2261

 2.1731, 4.7803,
10.1096

263.3386,

 0.7285, 2.1190,

326.5618, 424.1968

5.3651

314.8658,
386.8591, 497.8070

■ 0.0000, 0.6753,
2.4006

■ 0.0000, 0.0000,
0.7868

■ 48.8584, 68.1864,
99.3931

■ 48.8584, 68.1864,
99.3931

■ 47.3905, 66.8229,
99.2085

■ 51.0194, 69.9150,
99.6141

■ 46.4927, 65.7566,
99.0501

■ 53.9564, 72.0470,
99.8708

■ 46.3078, 65.5059,
99.0114

■ 57.7476, 74.6242,
100.1685

■ 62.4598, 77.6811,
100.5102

68.1530, 81.2486,
100.8987

74.8826, 85.3553,
101.3367

82.6994, 90.0273,
101.8265

91.6510, 95.2894,
102.3703

92.3039, 96.2781,
102.5268

Harmonies

Analogous

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



47.5204, 68.1864, 69.0471



48.8584, 68.1864, 99.3931



54.2759, 68.1864, 128.5464

Triad

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



48.8584, 68.1864, 99.3931



81.7126, 68.1864, 111.0170



66.6854, 68.1864, 31.8696

Complementary

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



48.8584, 68.1864, 99.3931



41.4343, 24.2586, 6.2422

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.



76.6239, 68.1864, 37.9000



48.8584, 68.1864, 99.3931



85.8523, 68.1864, 79.6941

Square

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



48.8584, 68.1864, 99.3931



73.0808, 68.1864, 136.3747



83.9008, 68.1864, 53.7401



57.1864, 68.1864, 34.6009

Rectangle

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



48.8584, 68.1864, 99.3931



59.7965, 68.1864, 140.7914



83.9008, 68.1864, 53.7401



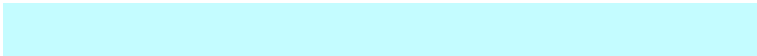
70.0943, 68.1864, 32.8790

Sweetspot

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



48.8605, 68.1889, 99.3947



75.6036, 88.3977, 107.6855



36.1718, 68.3658, 16.3847



15.6485, 18.5931, 23.0140



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.



48.8605, 68.1889, 99.3947



49.8747, 70.5033, 105.5876



28.3095, 27.0870, 92.5444



17.6757, 19.4281, 22.2037



25.0513, 35.4581, 53.4973



2.3454, 3.3344, 4.9632

Inverse Universe

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



55.4135, 28.9014, 82.7812



57.3930, 28.0634, 85.9357



52.2777, 45.9455, 9.8567



17.9476, 17.5064, 21.5797



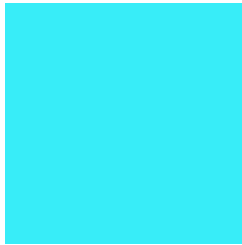
28.9367, 13.9904, 43.2368



2.6928, 1.3008, 4.0715

Previews

White Background



This preview shows how the XYZ color 48.8584, 68.1864, 99.3931 looks on a white background.

Color Contrast Check

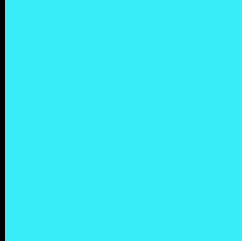
Large Text (above 18pt) WCAG AA × Fail

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 48.8584, 68.1864, 99.3931 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 48.8584, 68.1864, 99.3931

Background



This preview shows how black text looks on a background with the XYZ color 48.8584, 68.1864, 99.3931.

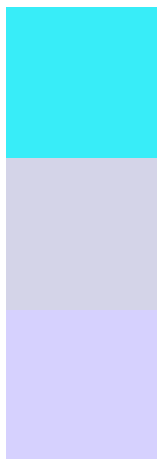


This preview shows how white text looks on a background with the XYZ color 48.8584, 68.1864,

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

48.8584, 68.1864, 99.3931

Protanopia

65.2603, 66.9102, 85.8193

Deuteranopia

68.4214, 67.0528, 103.1022



Tritanopia

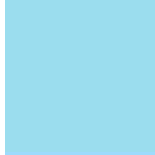
50.0954, 68.2677, 105.1444

Trichromacy



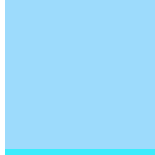
Original Color

48.8584, 68.1864, 99.3931



Protanomaly

54.8066, 64.8545, 90.5185



Deuteranomaly

56.8068, 64.8594, 101.6205



Tritanomaly

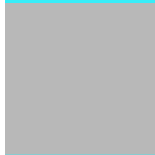
49.4296, 67.9798, 102.6117

Monochromacy



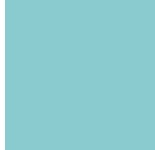
Original Color

48.8584, 68.1864, 99.3931



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.9349, 52.5352, 66.9089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8584, 68.1864, 99.3931 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(56, 237, 248)` looks like.

```
.text, #text, p{  
    color:rgb(56, 237, 248)  
}
```

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(56, 237, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 237, 248) }
```

Border

The CSS property to change the border of an element to XYZ 48.8584, 68.1864, 99.3931 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(56, 237, 248) }
```


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

```
.border{ border-color:rgb(56, 237, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 237, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 237, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 237, 248);  
box-shadow:4px 4px 4px 4px rgb(56, 237,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8584, 68.1864, 99.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 237, 248) }
```

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

```
.background{ background-color: rgb(56, 237,  
248) }
```

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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