

Converting Colors

XYZ(47.4669, 69.0924, 88.9296)

Have a look what the booklet for
XYZ(47.4669, 69.0924, 88.9296)
contains.

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Color

**XYZ(47.3766, 68.9645,
88.6564)**

Conversions

Conversions Part 1

Format	Color
Hex	33F0EA
RGB	51, 240, 234
RGB Percent	20%, 94%, 92%
CMY	0.7999, 0.0588, 0.0823
CMYK	0.79, 0.00, 0.03, 0.06
HSL	178°, 86%, 57%
HSV	178°, 79%, 94%
XYZ	47.3766, 68.9645, 88.6564
YIQ	182.8050, -110.7180, -41.9340

Conversions

Conversions Part 2

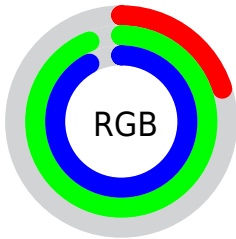
Format	Color
R _Y B	51, 147, 240
Decimal	3404010
CIE Lab	86.49, -45.31, -10.06
CIE LCh	86, 46.414, 192.515
Yxy	68.9645, 0.2311, 0.3364
Android (android.graphics.Color)	4281594090 (0xFF33F0EA)
YUV	182.8050, 25.2391, -115.5930
Hunter-Lab	83.0449, -43.4953, -5.1650

Details

The XYZ color **47.3766, 68.9645, 88.6564** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.8598, 21.1904, 5.9678**, and the grayscale version is **44.8158, 47.1497, 51.3460**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **24.9694, 37.0813, 47.9609** is the 20% darker color. If you saturate the color by 10%, you get **46.3558, 68.4524, 88.0397**, and if you desaturate by 10%, it is **49.0253, 69.8033, 89.3080**.

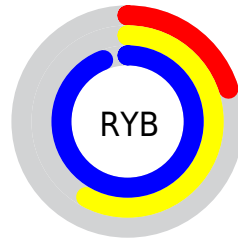
Distribution



Red (20%)

Green (94%)

Blue (92%)



Red (20%)

Yellow (58%)

Blue (94%)

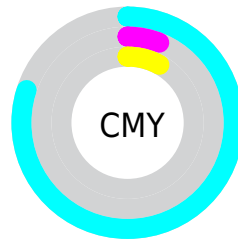


Cyan (79%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (80%)


Magenta (6%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3766, 68.9645, 88.6564 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 47.3766, 68.9645, 88.6564 by changing the saturation by 10% instead.

 47.3766, 68.9645,
88.6564


 47.3766, 68.9645,
88.6564


366.9396,
456.9058, 544.1073


 33.5427, 50.6828,
66.2994


 85.4908, 117.7309,
147.3898


 22.7037, 35.9562,
48.0575


 110.5018,
148.9843, 184.6033

 14.4944, 24.4004,
33.5121


 139.9692,
185.3305, 227.6061

 8.5493, 15.6309,
22.2447

 174.2584,
227.1538, 276.8166

 4.5031, 9.2633,
13.8368

213.7346,
274.8385, 332.6534

 1.9905, 4.9134,
7.8698

258.7633,

 0.6286, 2.1965,

328.7692, 395.5351

3.9252

309.7099,
389.3301, 465.8803

■ 0.0000, 0.7181,
1.5844

■ 0.0000, 0.0000,
0.2796

■ 47.3766, 68.9645,
88.6564

■ 47.3766, 68.9645,
88.6564

■ 46.3558, 68.4524,
88.0397

■ 49.0253, 69.8033,
89.3080


■ 45.8323, 68.1951,
87.4472


■ 51.3800, 71.0044,
89.9936


■ 45.7809, 68.1702,
87.3737


■ 54.5141, 72.6073,
90.7181


■ 58.4901, 74.6442,
91.4845

 63.3645, 77.1441,
92.2954

 69.1885, 80.1336,
93.1532

 76.0097, 83.6370,
94.0601

 83.8724, 87.6773,
95.0183

 88.2576, 89.9249,
95.8162

Harmonies

Analogous

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



47.7511, 68.9645, 58.6781



47.3766, 68.9645, 88.6564



51.4683, 68.9645, 122.5959

Triad

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



47.3766, 68.9645, 88.6564



80.5259, 68.9645, 127.6961



71.9545, 68.9645, 31.6114

Complementary

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



47.3766, 68.9645, 88.6564



37.8598, 21.1904, 5.9678

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.



81.9880, 68.9645, 41.7813



47.3766, 68.9645, 88.6564



87.2960, 68.9645, 94.3094

Square

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



47.3766, 68.9645, 88.6564



70.1285, 68.9645, 148.9357



87.8586, 68.9645, 62.9845



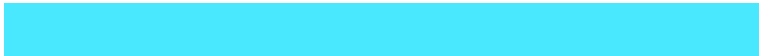
61.1727, 68.9645, 30.8713

Rectangle

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



47.3766, 68.9645, 88.6564



56.4681, 68.9645, 140.7661



87.8586, 68.9645, 62.9845



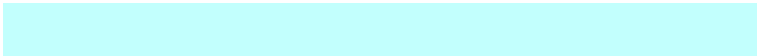
75.5541, 68.9645, 33.8793

Sweetspot

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



47.3787, 68.9671, 88.6581



75.6954, 90.0583, 106.3691



33.4643, 63.4406, 13.6152



15.7088, 19.0231, 22.6929



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.



47.3787, 68.9671, 88.6581



52.8103, 78.3635, 100.6519



28.2919, 29.3902, 86.6226



16.2244, 17.9198, 20.2047



25.0702, 37.3201, 47.8803



2.0924, 3.1074, 4.0189

Inverse Universe

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



37.8598, 21.1904, 5.9678



41.5689, 21.6717, 2.7981



45.7973, 37.2910, 7.9178



15.7931, 15.7670, 16.4669



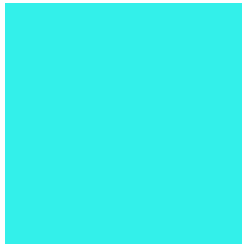
19.7034, 10.1538, 1.0888



1.6462, 0.8475, 0.1280

Previews

White Background



This preview shows how the XYZ color 47.3766, 68.9645, 88.6564 looks on a white background.

Color Contrast Check

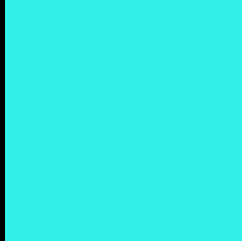
Large Text (above 18pt) WCAG AA × Fail

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 47.3766, 68.9645, 88.6564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

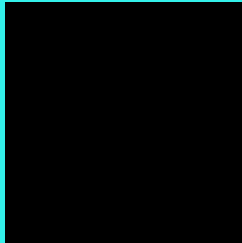
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

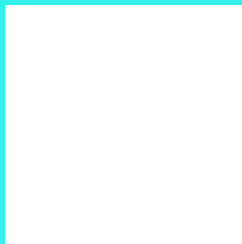
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3766, 68.9645, 88.6564

Background



This preview shows how black text looks on a background with the XYZ color 47.3766, 68.9645, 88.6564.

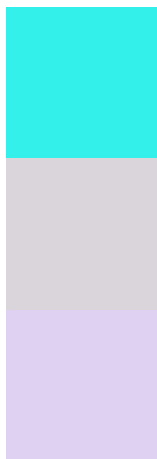


This preview shows how white text looks on a background with the XYZ color 47.3766, 68.9645,

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

47.3766, 68.9645, 88.6564

Protanopia

65.0644, 67.4022, 75.9103

Deuteranopia

69.1091, 67.6398, 92.6324



Tritanopia

51.0259, 68.7474, 105.1880

Trichromacy



Original Color

47.3766, 68.9645, 88.6564



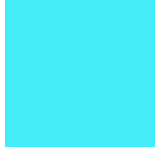
Protanomaly

53.7468, 65.3253, 80.2973



Deuteranomaly

55.5230, 64.8330, 90.4766



Tritanomaly

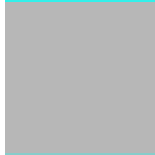
49.3874, 68.4771, 98.6101

Monochromacy



Original Color

47.3766, 68.9645, 88.6564



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.2452, 52.6009, 63.8035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3766, 68.9645, 88.6564 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(51, 240, 234)` looks like.

```
.text, #text, p{  
    color:rgb(51, 240, 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(51, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 240, 234) }
```

Border

The CSS property to change the border of an element to XYZ 47.3766, 68.9645, 88.6564 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(51, 240, 234) }
```


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

```
.border{ border-color:rgb(51, 240, 234) }
```

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

Here you see how a box with a 4 pixel rgb(51, 240, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(51, 240,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3766, 68.9645, 88.6564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 240, 234) }
```

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

```
.background{ background-color: rgb(51, 240,  
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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