

Converting Colors

XYZ(47.0983, 68.2074, 81.1361)

Have a look what the booklet for
XYZ(47.0983, 68.2074, 81.1361)
contains.

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Color

**XYZ(47.0096, 68.0674,
81.1817)**

Conversions

Conversions Part 1	
Format	Color
Hex	4CEEE0
RGB	76, 238, 224
RGB Percent	30%, 93%, 88%
CMY	0.7019, 0.0667, 0.1216
CMYK	0.68, 0.00, 0.06, 0.07
HSL	175°, 83%, 62%
HSV	175°, 68%, 93%
XYZ	47.0096, 68.0674, 81.1817
YIQ	187.9660, -92.0580, -38.6980

Conversions

Conversions Part 2

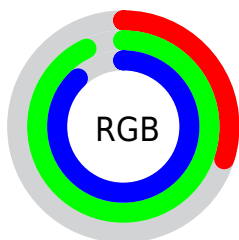
Format	Color
RYB	76, 161, 238
Decimal	5041888
CIELab	86.04, -44.41, -5.42
CIELCh	86, 44.744, 186.962
Yxy	68.0674, 0.2395, 0.3468
Android (android.graphics.Color)	4283231968 (0xFF4CEEE0)
YUV	187.9660, 17.7648, -98.1942
Hunter-Lab	82.5030, -42.6722, -0.5884

Details

The XYZ color **47.0096, 68.0674, 81.1817** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.6921, 24.0863, 12.2324**, and the grayscale version is **47.7228, 50.2081, 54.6766**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **23.6853, 35.9123, 43.2195** is the 20% darker color. If you saturate the color by 10%, you get **45.1799, 67.1578, 79.6498**, and if you desaturate by 10%, it is **49.5456, 69.3439, 82.7673**.

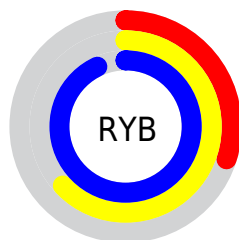
Distribution



Red (30%)

Green (93%)

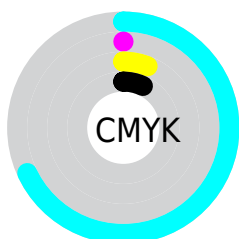
Blue (88%)



Red (30%)

Yellow (63%)

Blue (93%)

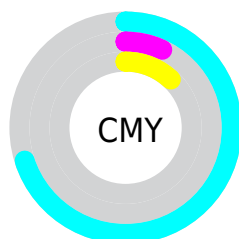


Cyan (68%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (70%)

Magenta (7%)


Yellow (12%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 47.0096, 68.0674, 81.1817 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 47.0096, 68.0674, 81.1817 by changing the saturation by 10% instead.


 47.0096, 68.0674,
81.1817


 47.0096, 68.0674,
81.1817


365.5011,
453.7348, 518.7178


 33.2512, 49.9526,
60.1594


 84.9466, 116.4486,
136.8522


 22.4791, 35.3757,
43.1210


 109.8559,
147.4837, 172.3375

 14.3279, 23.9524,
29.6479


 139.2130,
183.5943, 213.4809

 8.4323, 15.2983,
19.3217

 173.3831,
225.1650, 260.7009

 4.4269, 9.0290,
11.7238

212.7316,
272.5799, 314.4160

 1.9464, 4.7601,
6.4357


257.6239,

 0.6036, 2.1072,


326.2236, 375.0449


3.0387


308.4252,
386.4804, 443.0059


 0.0000, 0.6687,
1.1144


 0.0000, 0.0000,
0.0000


 47.0096, 68.0674,
81.1817


 47.0096, 68.0674,
81.1817

 45.1799, 67.1578,
79.6498


 49.5456, 69.3439,
82.7673


 43.9691, 66.5652,
78.1630


 52.8512, 71.0152,
84.4051


 43.2660, 66.2340,
76.7173


 56.9892, 73.1152,
86.0995


 43.1563, 66.1835,
76.4407


 62.0143, 75.6721,
87.8533

 67.9767, 78.7118,
89.6689

 74.9227, 82.2582,
91.5484

 82.8956, 86.3336,
93.4939

 87.6121, 88.7298,
95.3051

 87.9203, 88.8531,
96.9280

Harmonies

Analogous

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



48.1741, 68.0674, 54.1144



47.0096, 68.0674, 81.1817



50.1672, 68.0674, 113.5793

Triad

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



47.0096, 68.0674, 81.1817



77.3092, 68.0674, 129.1000



72.7344, 68.0674, 33.3055

Complementary

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



47.0096, 68.0674, 81.1817



39.6921, 24.0863, 12.2324

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.



81.7896, 68.0674, 45.0473



47.0096, 68.0674, 81.1817



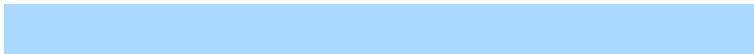
84.6199, 68.0674, 98.5181

Square

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



47.0096, 68.0674, 81.1817



67.1190, 68.0674, 145.6058



86.3406, 68.0674, 67.4686



62.3321, 68.0674, 30.9616

Rectangle

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



47.0096, 68.0674, 81.1817



54.5175, 68.0674, 132.3425



86.3406, 68.0674, 67.4686



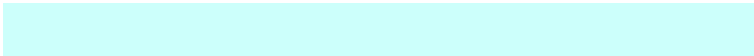
76.0686, 68.0674, 36.0984

Sweetspot

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



47.0116, 68.0700, 81.1833



78.0101, 91.2967, 104.4403



36.3149, 63.9592, 17.2705



16.2656, 19.3211, 22.2256



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.



47.0116, 68.0700, 81.1833



52.1575, 78.2087, 92.4113



33.3974, 37.6763, 86.4038



16.1850, 17.9040, 19.9971



24.1003, 36.9321, 42.7727



2.0221, 3.0793, 3.6488

Inverse Universe

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



39.6921, 24.0863, 12.2324



43.1378, 23.5760, 7.1235



46.0624, 37.6925, 11.6867



15.8283, 15.7810, 16.6518



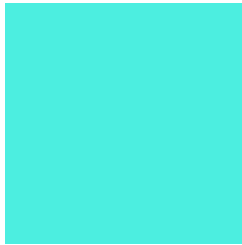
19.7640, 10.1780, 1.4080



1.6630, 0.8543, 0.2165

Previews

White Background



This preview shows how the XYZ color 47.0096, 68.0674, 81.1817 looks on a white background.

Color Contrast Check

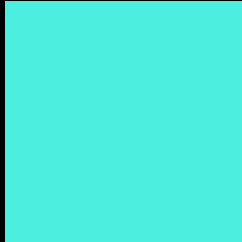
Large Text (above 18pt) WCAG AA × Fail

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 47.0096, 68.0674, 81.1817 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

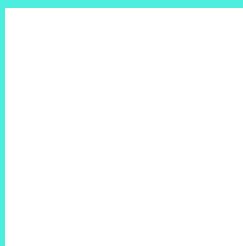
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0096, 68.0674, 81.1817

Background



This preview shows how black text looks on a background with the XYZ color 47.0096, 68.0674, 81.1817.

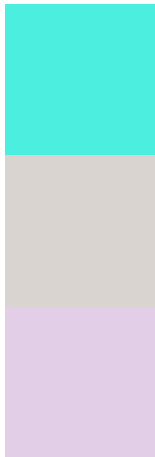


This preview shows how white text looks on a background with the XYZ color 47.0096, 68.0674,

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

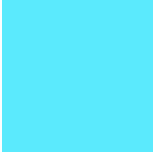
47.0096, 68.0674, 81.1817

Protanopia

63.9655, 66.5958, 69.8045

Deuteranopia

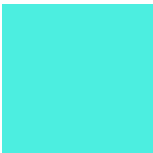
68.1007, 66.5639, 84.8601



Tritanopia

51.4668, 68.1616, 103.3724

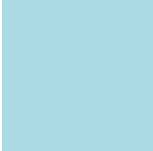
Trichromacy



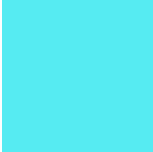
Original Color
47.0096, 68.0674, 81.1817



Protanomaly
53.7199, 64.6749, 73.2705

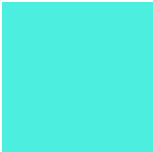


Deuteranomaly
55.8696, 64.4022, 82.8850

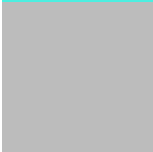


Tritanomaly
49.5731, 67.8059, 94.4795

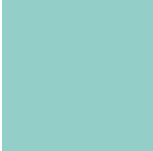
Monochromacy



Original Color
47.0096, 68.0674, 81.1817



Achromatopsia
47.7994, 50.2886, 54.7643



Achromatomaly
44.6465, 54.5627, 63.4369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0096, 68.0674, 81.1817 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(76, 238, 224)` looks like.

```
.text, #text, p{  
    color:rgb(76, 238, 224)  
}
```

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(76, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 238, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.0096, 68.0674, 81.1817 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(76, 238, 224) }
```


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

```
.border{ border-color:rgb(76, 238, 224) }
```

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

Here you see how a box with a 4 pixel rgb(76, 238, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(76, 238,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0096, 68.0674, 81.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 238, 224) }
```

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

```
.background{ background-color: rgb(76, 238,  
224) }
```

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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