

Converting Colors

XYZ(46.1379, 67.2729, 80.5851)

Have a look what the booklet for
XYZ(46.1379, 67.2729, 80.5851)
contains.

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Color

**XYZ(46.0577, 67.1613,
80.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	45EDDF
RGB	69, 237, 223
RGB Percent	27%, 93%, 87%
CMY	0.7294, 0.0706, 0.1255
CMYK	0.71, 0.00, 0.06, 0.07
HSL	175°, 82%, 60%
HSV	175°, 71%, 93%
XYZ	46.0577, 67.1613, 80.3480
YIQ	185.1720, -95.6340, -39.9700

Conversions

Conversions Part 2

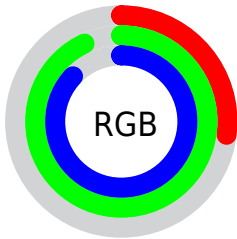
Format	Color
RYB	69, 157, 237
Decimal	4582879
CIELab	85.59, -45.14, -5.58
CIElCh	86, 45.485, 187.053
Yxy	67.1613, 0.2379, 0.3470
Android (android.graphics.Color)	4282772959 (0xFF45EDDF)
YUV	185.1720, 18.6492, -101.8828
Hunter-Lab	81.9520, -43.0975, -0.7632

Details

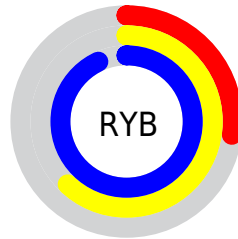
The XYZ color **46.0577, 67.1613, 80.3480** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **38.6167, 22.8872, 10.5682**, and the grayscale version is **46.1497, 48.5531, 52.8743**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **23.3891, 35.4697, 42.6594** is the 20% darker color. If you saturate the color by 10%, you get **44.4357, 66.3573, 78.8913**, and if you desaturate by 10%, it is **48.3576, 68.3175, 81.8557**.

Distribution



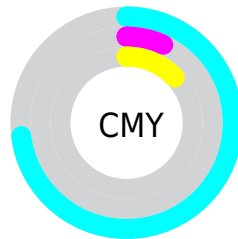
- Red (27%)
- Green (93%)
- Blue (87%)



- Red (27%)
- Yellow (62%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (73%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0577, 67.1613, 80.3480 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 46.0577, 67.1613, 80.3480 by changing the saturation by 10% instead.


 46.0577, 67.1613,
80.3480


 46.0577, 67.1613,
80.3480


361.7526,
450.5187, 515.8425


 32.4962, 49.2157,
59.4769


 83.5327, 115.1515,
135.6707


 21.8981, 34.7906,
42.5746


 108.1768,
145.9649, 170.9594

 13.8983, 23.5016,
29.2226


 137.2459,
181.8364, 211.8911

 8.1312, 14.9644,
19.0022


 171.1053,
223.1504, 258.8842

 4.2315, 8.7944,
11.4951

210.1203,
270.2912, 312.3574

 1.8339, 4.6073,
6.2825

254.6563,

 0.5380, 2.0187,

323.6432, 372.7291

2.9461

305.0786,
383.5910, 440.4180

■ 0.0000, 0.6183,
1.0672

■ 0.0000, 0.0000,
0.0000

■ 46.0577, 67.1613,
80.3480

■ 46.0577, 67.1613,
80.3480

■ 44.4357, 66.3573,
78.8913

■ 48.3576, 68.3175,
81.8557


■ 43.4005, 65.8538,
77.4767


■ 51.4009, 69.8551,
83.4129


■ 42.8422, 65.5933,
76.2190


■ 55.2519, 71.8087,
85.0243


■ 59.9662, 74.2070,
86.6925

 65.5947, 77.0761,
88.4199

 72.1842, 80.4404,
90.2087

 79.7782, 84.3221,
92.0611

 87.0764, 88.0510,
93.9163

 87.3696, 88.1682,
95.4603

Harmonies

Analogous

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



47.2125, 67.1613, 53.0880



46.0577, 67.1613, 80.3480



49.2384, 67.1613, 113.1077

Triad

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



46.0577, 67.1613, 80.3480



76.5873, 67.1613, 128.6700



71.9090, 67.1613, 32.2099

Complementary

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



46.0577, 67.1613, 80.3480



38.6167, 22.8872, 10.5682

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.



81.0635, 67.1613, 43.8902



46.0577, 67.1613, 80.3480



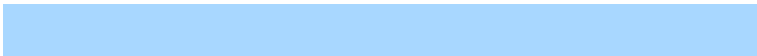
83.9617, 67.1613, 97.6644

Square

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



46.0577, 67.1613, 80.3480



66.3087, 67.1613, 145.4922



85.6824, 67.1613, 66.3526



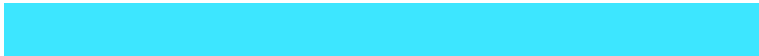
61.4233, 67.1613, 29.9067

Rectangle

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



46.0577, 67.1613, 80.3480



53.6154, 67.1613, 132.1124



85.6824, 67.1613, 66.3526



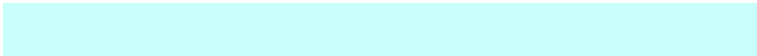
75.2766, 67.1613, 34.9800

Sweetspot

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



46.0597, 67.1639, 80.3496



77.3082, 90.9358, 104.3622



35.1799, 62.9697, 15.9319



16.1303, 19.2514, 22.2153



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.



46.0597, 67.1639, 80.3496



51.8451, 78.0474, 92.4027



32.0799, 36.0569, 85.3925



15.4604, 17.0990, 19.1071



23.4133, 35.8198, 41.7370



1.8545, 2.8191, 3.3617

Inverse Universe

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



38.6167, 22.8872, 10.5682



42.6627, 22.9509, 5.9634



44.8341, 36.1016, 10.2370



15.1164, 15.0744, 15.8984



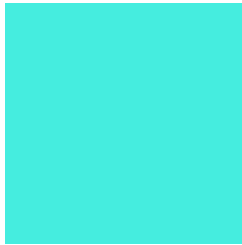
19.1547, 9.8645, 1.3498



1.5217, 0.7817, 0.1988

Previews

White Background



This preview shows how the XYZ color 46.0577, 67.1613, 80.3480 looks on a white background.

Color Contrast Check

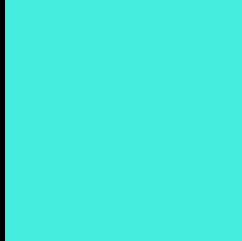
Large Text (above 18pt) WCAG AA × Fail

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 46.0577, 67.1613, 80.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

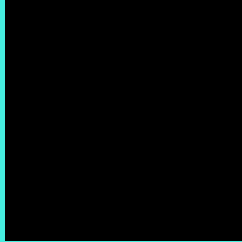
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

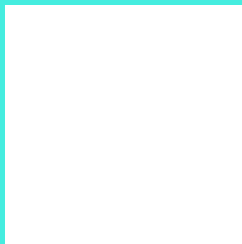
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0577, 67.1613, 80.3480

Background



This preview shows how black text looks on a background with the XYZ color 46.0577, 67.1613, 80.3480.

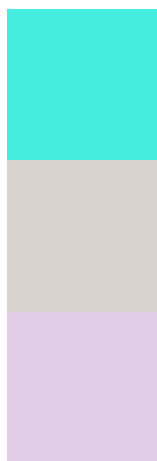


This preview shows how white text looks on a background with the XYZ color 46.0577, 67.1613,

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

46.0577, 67.1613, 80.3480

Protanopia

63.2947, 65.8943, 69.0574

Deuteranopia

67.4056, 65.8633, 84.0231



Tritanopia

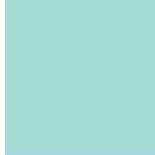
50.4559, 67.2374, 102.4143

Trichromacy



Original Color

46.0577, 67.1613, 80.3480



Protanomaly

52.7077, 63.7770, 72.4830



Deuteranomaly

54.8264, 63.4966, 82.0395



Tritanomaly

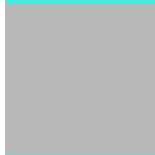
48.5245, 66.8588, 93.5666

Monochromacy



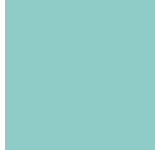
Original Color

46.0577, 67.1613, 80.3480



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.2294, 53.1489, 62.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0577, 67.1613, 80.3480 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(69, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(69, 237, 223)  
}
```

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(69, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 237, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.0577, 67.1613, 80.3480 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(69, 237, 223) }
```


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

```
.border{ border-color:rgb(69, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(69, 237,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0577, 67.1613, 80.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 237, 223) }
```

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

```
.background{ background-color: rgb(69, 237,  
223) }
```

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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