

Converting Colors

XYZ(46.8456, 66.0567, 72.5248)

Have a look what the booklet for
XYZ(46.8456, 66.0567, 72.5248)
contains.

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Color

**XYZ(46.8483, 66.0346,
72.5641)**

Conversions

Conversions Part 1

Format	Color
Hex	69E9D4
RGB	105, 233, 212
RGB Percent	41%, 91%, 83%
CMY	0.5882, 0.0863, 0.1686
CMYK	0.55, 0.00, 0.09, 0.09
HSL	170°, 74%, 66%
HSV	170°, 55%, 91%
XYZ	46.8483, 66.0346, 72.5641
YIQ	192.3340, -69.5470, -33.6670

Conversions

Conversions Part 2

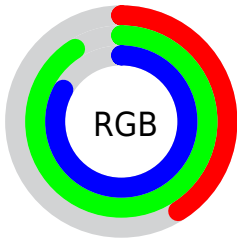
Format	Color
R _{YB}	105, 175, 233
Decimal	6941140
CIE _{Lab}	85.01, -40.44, -0.53
CIE _{LCh}	85, 40.447, 180.757
Y _{xy}	66.0346, 0.2526, 0.3561
Android (android.graphics.Color)	4285131220 (0xFF69E9D4)
YUV	192.3340, 9.6953, -76.5919
Hunter-Lab	81.2617, -39.3006, 3.9391

Details

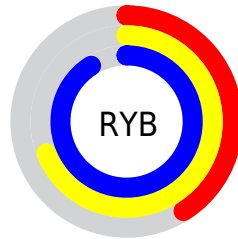
The XYZ color **46.8483, 66.0346, 72.5641** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **42.4240, 28.9350, 23.0902**, and the grayscale version is **50.2741, 52.8922, 57.5996**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **22.4894, 34.2200, 37.7676** is the 20% darker color. If you saturate the color by 10%, you get **44.0012, 64.6236, 69.9442**, and if you desaturate by 10%, it is **50.4602, 67.8418, 75.2823**.

Distribution



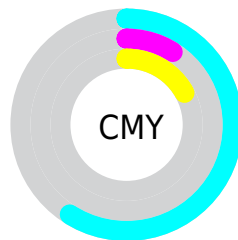
- Red (41%)
- Green (91%)
- Blue (83%)



- Red (41%)
- Yellow (69%)
- Blue (91%)



- Cyan (55%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (59%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8483, 66.0346, 72.5641 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 46.8483, 66.0346, 72.5641 by changing the saturation by 10% instead.


 46.8483, 66.0346,
72.5641


 46.8483, 66.0346,
72.5641


364.8677,
446.5006, 488.5329


 33.1232, 48.3005,
53.1300


 84.7073, 113.5360,
124.5734

 22.3805, 34.0649,
37.5181


 109.5718,
144.0721, 157.9856

 14.2549, 22.9435,
25.3100


 138.8802,
179.6442, 196.8942

 8.3811, 14.5518,
16.0870

172.9979,
220.6369, 241.7178

 4.3936, 8.5054,
9.4307

212.2901,
267.4345, 292.8750

 1.9271, 4.4200,
4.9225

257.1222,

 0.5925, 1.9112,

320.4214, 350.7842

2.1439

307.8597,
379.9820, 415.8639

■ 0.0000, 0.5551,
0.6417

■ 0.0000, 0.0000,
0.0000

■ 46.8483, 66.0346,
72.5641

■ 46.8483, 66.0346,
72.5641

■ 44.0012, 64.6236,
69.9442

■ 50.4602, 67.8418,
75.2823

■ 41.8503, 63.5685,
67.4146


■ 54.8869, 70.0662,
78.0973


■ 40.3243, 62.8343,
64.9731


■ 60.1811, 72.7363,
81.0132


■ 39.3336, 62.3747,
62.6151


■ 66.3890, 75.8763,
84.0327


 38.9646, 62.2099,
61.4489

 73.5539, 79.5081,
87.1583

 81.7159, 83.6527,
90.3920

 85.9251, 85.7581,
93.5028

 86.4954, 85.9862,
96.5056

 87.0776, 86.2191,
99.5717

Harmonies

Analogous

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



48.7054, 66.0346, 50.1000



46.8483, 66.0346, 72.5641



48.9007, 66.0346, 100.6813

Triad

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



46.8483, 66.0346, 72.5641



72.1406, 66.0346, 124.1114



71.7024, 66.0346, 36.4497

Complementary

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



46.8483, 66.0346, 72.5641



42.4240, 28.9350, 23.0902

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.



79.0269, 66.0346, 49.2047



46.8483, 66.0346, 72.5641



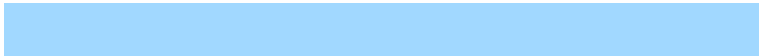
79.2966, 66.0346, 99.2537

Square

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



46.8483, 66.0346, 72.5641



62.9952, 66.0346, 134.5223



81.9287, 66.0346, 71.2409



62.5332, 66.0346, 32.5421

Rectangle

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



46.8483, 66.0346, 72.5641



52.3361, 66.0346, 118.0930



81.9287, 66.0346, 71.2409



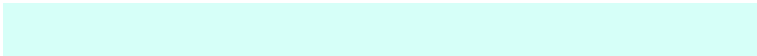
74.4922, 66.0346, 39.6638

Sweetspot

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



46.8502, 66.0372, 72.5656



80.5407, 92.6425, 102.6925



40.3442, 63.7615, 23.5468



16.8873, 19.6513, 21.8147



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.



46.8502, 66.0372, 72.5656



53.5809, 79.0992, 85.3956



39.0215, 45.8603, 83.8890



15.4053, 17.0770, 18.8174



22.1479, 35.3136, 35.0733



1.7674, 2.7843, 2.9031

Inverse Universe

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



42.4240, 28.9350, 23.0902



47.6792, 29.2500, 19.1466



46.6940, 39.4212, 18.5140



15.1663, 15.0944, 16.1609



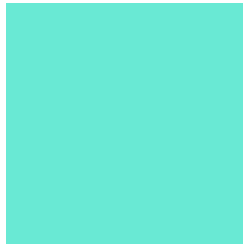
19.2984, 9.9220, 2.1068



1.5454, 0.7911, 0.3236

Previews

White Background



This preview shows how the XYZ color 46.8483, 66.0346, 72.5641 looks on a white background.

Color Contrast Check

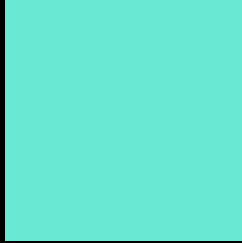
Large Text (above 18pt) WCAG AA × Fail

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 46.8483, 66.0346, 72.5641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

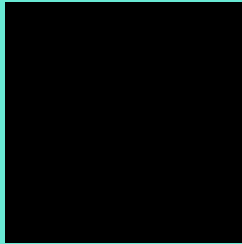
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

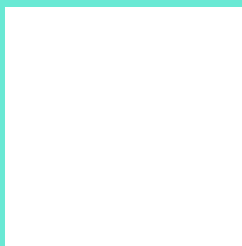
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8483, 66.0346, 72.5641

Background



This preview shows how black text looks on a background with the XYZ color 46.8483, 66.0346, 72.5641.

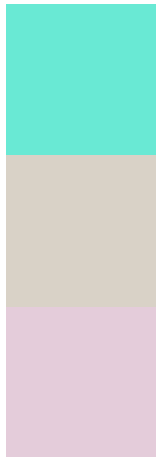


This preview shows how white text looks on a background with the XYZ color 46.8483, 66.0346,

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

46.8483, 66.0346, 72.5641

Protanopia

61.9707, 64.9684, 63.3068

Deuteranopia

66.2427, 64.7417, 75.3347



Tritanopia

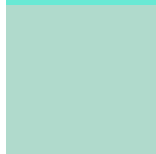
51.7141, 65.9225, 97.1875

Trichromacy



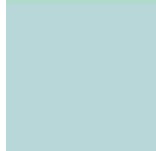
Original Color

46.8483, 66.0346, 72.5641



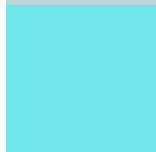
Protanomaly

53.8750, 63.7325, 66.5888



Deuteranomaly

56.2235, 63.6260, 74.2835



Tritanomaly

49.9581, 66.0449, 87.9568

Monochromacy



Original Color

46.8483, 66.0346, 72.5641



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.1188, 56.2228, 62.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8483, 66.0346, 72.5641 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(105, 233, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 233, 212)  
}
```

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(105, 233, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 233, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.8483, 66.0346, 72.5641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

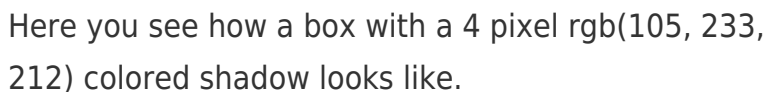
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 233, 212) }
```


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

```
.border{ border-color:rgb(105, 233, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 233, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 233, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 233, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 233,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8483, 66.0346, 72.5641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 233, 212) }
```

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

```
.background{ background-color: rgb(105,  
233, 212) }
```

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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