

Converting Colors

XYZ(44.7361, 65.5610, 66.9041)

Have a look what the booklet for
XYZ(44.7361, 65.5610, 66.9041)
contains.

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Color

**XYZ(44.7165, 65.4846,
66.7829)**

Conversions

Conversions Part 1

Format	Color
Hex	5DEACB
RGB	93, 234, 203
RGB Percent	36%, 92%, 80%
CMY	0.6353, 0.0823, 0.2039
CMYK	0.60, 0.00, 0.13, 0.08
HSL	167°, 77%, 64%
HSV	167°, 60%, 92%
XYZ	44.7165, 65.4846, 66.7829
YIQ	188.3070, -74.0850, -39.5330

Conversions

Conversions Part 2

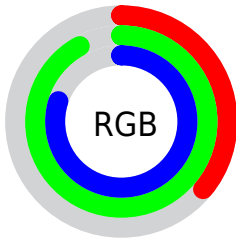
Format	Color
RYB	93, 172, 234
Decimal	6154955
CIELab	84.73, -45.32, 3.75
CIELCh	85, 45.470, 175.270
Yxy	65.4846, 0.2527, 0.3700
Android (android.graphics.Color)	4284345035 (0xFF5DEACB)
YUV	188.3070, 7.2436, -83.5842
Hunter-Lab	80.9226, -42.9782, 7.7156

Details

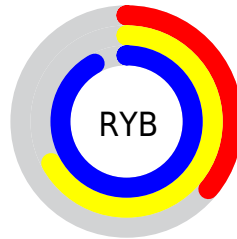
The XYZ color **44.7165, 65.4846, 66.7829** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **41.4863, 26.7781, 22.0533**, and the grayscale version is **47.9665, 50.4645, 54.9558**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **21.1470, 33.6142, 33.8074** is the 20% darker color. If you saturate the color by 10%, you get **42.0978, 64.2059, 63.5136**, and if you desaturate by 10%, it is **48.0837, 67.1500, 70.1963**.

Distribution



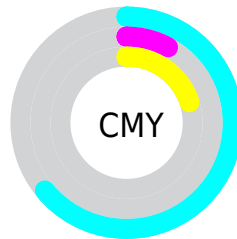
- Red (36%)
- Green (92%)
- Blue (80%)



- Red (36%)
- Yellow (67%)
- Blue (92%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (64%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7165, 65.4846, 66.7829 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 44.7165, 65.4846, 66.7829 by changing the saturation by 10% instead.

44.7165, 65.4846,
66.7829

44.7165, 65.4846,
66.7829

356.4272,
444.5314, 467.6520

31.4345, 47.8541,
48.4477

81.5345, 112.7463,
116.2470

21.0834, 33.7114,
33.8191

105.8012,
143.1463, 148.2129

13.2978, 22.6720,
22.4784

134.4603,
178.5716, 185.5596

7.7123, 14.3515,
14.0072

167.8769,
219.4066, 228.7055

3.9617, 8.3655,
7.9869

206.4166,
266.0356, 278.0691

1.6805, 4.3297,
3.9989

250.4446,

0.4440, 1.8597,

318.8432, 334.0691

1.6247

300.3264,
378.2137, 397.1239

■ 0.0000, 0.5240,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 44.7165, 65.4846,
66.7829

■ 44.7165, 65.4846,
66.7829

■ 42.0978, 64.2059,
63.5136

■ 48.0837, 67.1500,
70.1963

■ 40.1533, 63.2709,
60.3797


■ 52.2538, 69.2254,
73.7531


■ 38.8032, 62.6399,
57.3778


■ 57.2827, 71.7411,
77.4584


■ 37.9246, 62.2481,
54.5721


■ 63.2193, 74.7223,
81.3153

 70.1091, 78.1925,
85.3270

 77.9944, 82.1733,
89.4964

 86.2466, 86.3409,
93.7950

 87.0178, 86.6494,
97.8565

 87.8109, 86.9667,
102.0329

Harmonies

Analogous

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



47.5139, 65.4846, 43.9190



44.7165, 65.4846, 66.7829



46.1798, 65.4846, 97.9798

Triad

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



44.7165, 65.4846, 66.7829



70.9674, 65.4846, 134.8808



74.0592, 65.4846, 34.4691

Complementary

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



44.7165, 65.4846, 66.7829



41.4863, 26.7781, 22.0533

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.



81.6517, 65.4846, 49.9672



44.7165, 65.4846, 66.7829



79.7347, 65.4846, 108.2017

Square

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



44.7165, 65.4846, 66.7829



60.6427, 65.4846, 142.9418



83.8336, 65.4846, 76.0197



63.8675, 65.4846, 28.7858

Rectangle

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



44.7165, 65.4846, 66.7829



49.4688, 65.4846, 118.9464



83.8336, 65.4846, 76.0197



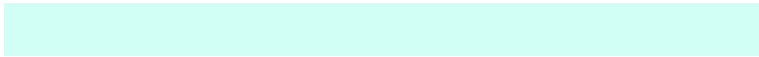
77.0419, 65.4846, 38.4570

Sweetspot

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



44.7184, 65.4872, 66.7844



78.5501, 91.6768, 99.8677



39.9901, 64.0666, 20.6155



16.3206, 19.3749, 21.0758



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.



44.7184, 65.4872, 66.7844



50.6063, 77.7621, 76.3840



39.1978, 47.9306, 85.0304



15.3677, 17.0619, 18.6189



21.3598, 34.9984, 30.9233



1.7122, 2.7622, 2.6124

Inverse Universe

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



41.4863, 26.7781, 22.0533



46.4305, 26.9822, 18.0228



43.9723, 34.4101, 14.6813



15.2010, 15.1083, 16.3440



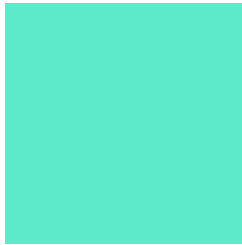
19.4475, 9.9817, 2.8921



1.5623, 0.7979, 0.4123

Previews

White Background



This preview shows how the XYZ color 44.7165, 65.4846, 66.7829 looks on a white background.

Color Contrast Check

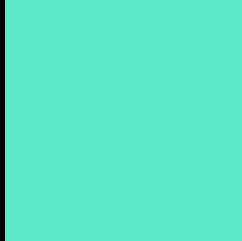
Large Text (above 18pt) WCAG AA × Fail

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 44.7165, 65.4846, 66.7829 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

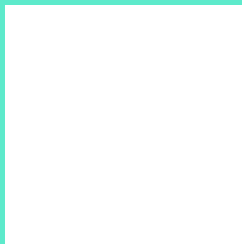
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7165, 65.4846, 66.7829

Background



This preview shows how black text looks on a background with the XYZ color 44.7165, 65.4846, 66.7829.



This preview shows how white text looks on a background with the XYZ color 44.7165, 65.4846,

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

44.7165, 65.4846, 66.7829

Protanopia

61.0082, 64.2241, 57.8962

Deuteranopia

65.6219, 64.1880, 69.9036



Tritanopia

50.8084, 65.4556, 97.1451

Trichromacy



Original Color

44.7165, 65.4846, 66.7829



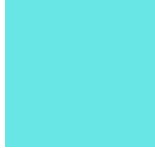
Protanomaly

52.1553, 62.9672, 61.0348



Deuteranomaly

54.1314, 62.3014, 68.2038



Tritanomaly

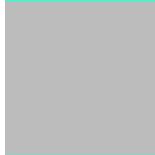
48.2887, 65.2499, 84.9123

Monochromacy



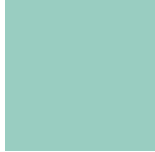
Original Color

44.7165, 65.4846, 66.7829



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.5938, 54.2852, 58.5798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7165, 65.4846, 66.7829 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(93, 234, 203)` looks like.

```
.text, #text, p{  
    color:rgb(93, 234, 203)  
}
```

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(93, 234, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 234, 203) }
```

Border

The CSS property to change the border of an element to XYZ 44.7165, 65.4846, 66.7829 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(93, 234, 203) }
```


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

```
.border{ border-color:rgb(93, 234, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 234, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 234, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 234, 203);  
box-shadow:4px 4px 4px 4px rgb(93, 234,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7165, 65.4846, 66.7829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 234, 203) }
```

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

```
.background{ background-color: rgb(93, 234,  
203) }
```

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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