

Converting Colors

XYZ(36.4794, 50.4746, 46.5890)

Have a look what the booklet for
XYZ(36.4794, 50.4746, 46.5890)
contains.

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Color

**XYZ(36.3845, 50.3159,
46.3224)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 74CDAB |
| RGB | 116, 205, 171 |
| RGB Percent | 45%, 80%, 67% |
| CMY | 0.5451, 0.1961, 0.3294 |
| CMYK | 0.43, 0.00, 0.17, 0.20 |
| HSL | 157°, 47%, 63% |
| HSV | 157°, 43%, 80% |
| XYZ | 36.3845, 50.3159, 46.3224 |
| YIQ | 174.5130, -42.1300, -29.4420 |

Conversions

Conversions Part 2

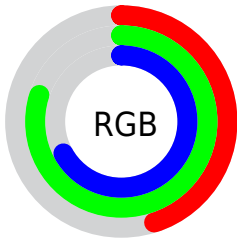
| Format | Color |
|-------------------------------------|---|
| RYB | 116, 171, 205 |
| Decimal | 7654827 |
| CIELab | 76.26, -34.64, 8.65 |
| CIELCh | 76, 35.702, 165.973 |
| Yxy | 50.3159, 0.2735, 0.3783 |
| Android (android.graphics.Color) | 4285844907 (0xFF74CDAB) |
| YUV | 174.5130, -1.7319, -51.3159 |
| Hunter-Lab | 70.9337, -32.5748, 10.9350 |

Details

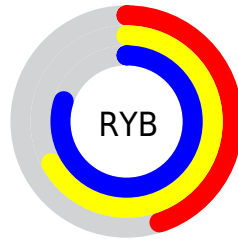
The XYZ color **36.3845, 50.3159, 46.3224** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.9290, 27.6733, 32.2513**, and the grayscale version is **40.5214, 42.6317, 46.4259**.

A 20% lighter version of the original color is **66.5007, 85.7816, 85.0041**, and **16.0996, 24.1053, 21.2570** is the 20% darker color. If you saturate the color by 10%, you get **33.2300, 48.7747, 42.3932**, and if you desaturate by 10%, it is **40.1873, 52.1888, 50.5151**.

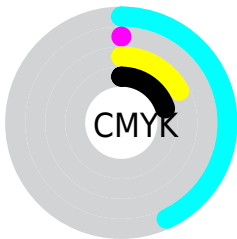
Distribution



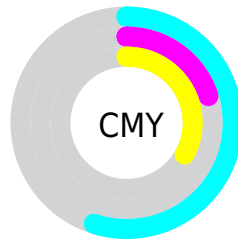
- Red (45%)
- Green (80%)
- Blue (67%)



- Red (45%)
- Yellow (67%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (55%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3845, 50.3159, 46.3224 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 36.3845, 50.3159, 46.3224 by changing the saturation by 10% instead.

36.3845, 50.3159,
46.3224

36.3845, 50.3159,
46.3224

322.0400,
387.9000, 388.4185

24.9028, 35.6645,
32.1498

68.9451, 90.6428,
86.0407

16.1330, 24.1752,
21.2102

90.7547, 117.0870,
112.4234

9.7097, 15.4636,
13.0850

116.7377,
148.2309, 143.7133

5.2677, 9.1454,
7.3557

147.2593,
184.4589, 180.3288

2.4416, 4.8361,
3.6037

182.6850,
226.1554, 222.6885

0.8659, 2.1514,
1.4106

223.3801,

0.0000, 0.6933,

273.7049, 271.2110

0.1499

269.7100,
327.4916, 326.3148

■ 0.0000, 0.0000,
0.0000

■ 36.3845, 50.3159,
46.3224

■ 36.3845, 50.3159,
46.3224

■ 33.2300, 48.7747,
42.3932

■ 40.1873, 52.1888,
50.5151

■ 30.6788, 47.5383,
38.7182

■ 44.6714, 54.4064,
54.9733

■ 28.6868, 46.5851,
35.2922


■ 49.8723, 56.9882,
59.7037


■ 27.2015, 45.8883,
32.1087


■ 55.8218, 59.9506,
64.7115


■ 26.1597, 45.4154,
29.1604


■ 62.5498, 63.3090,
70.0015

 25.6424, 45.1885,
27.3416

 70.0846, 67.0776,
75.5787

 76.7757, 70.4058,
81.3692

 77.8743, 70.8452,
87.1542

 79.0226, 71.3046,
93.2011

Harmonies

Analogous

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



39.1477, 50.3159, 32.9398



36.3845, 50.3159, 46.3224



36.4790, 50.3159, 65.5764

Triad

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



36.3845, 50.3159, 46.3224



51.4565, 50.3159, 98.4511



57.3455, 50.3159, 32.3125

Complementary

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



36.3845, 50.3159, 46.3224



36.9290, 27.6733, 32.2513

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.



61.3060, 50.3159, 45.2484



36.3845, 50.3159, 46.3224



57.6954, 50.3159, 84.6289

Square

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



36.3845, 50.3159, 46.3224



44.7694, 50.3159, 98.9313



61.4398, 50.3159, 64.2212



51.0140, 50.3159, 26.2247

Rectangle

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



36.3845, 50.3159, 46.3224



38.1390, 50.3159, 79.4357



61.4398, 50.3159, 64.2212



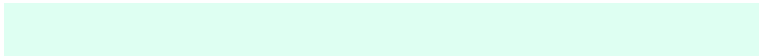
59.0231, 50.3159, 35.8485

Sweetspot

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



36.3859, 50.3179, 46.3236



81.9157, 93.4569, 97.9903



37.5845, 51.4208, 24.4682



17.1019, 19.7892, 20.5943



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.



36.3859, 50.3179, 46.3236



54.7829, 80.0629, 69.9080



37.6528, 46.9814, 64.8437



11.3545, 12.6516, 13.4244



16.0103, 28.1494, 17.2712



0.8623, 1.4667, 1.0821

Inverse Universe

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



36.9290, 27.6733, 32.2513



55.7972, 38.2969, 44.0161



35.8407, 29.2614, 20.2829



11.3867, 11.2834, 12.5711



16.5798, 8.4425, 5.5058



0.8921, 0.4502, 0.4775

Previews

White Background



This preview shows how the XYZ color 36.3845, 50.3159, 46.3224 looks on a white background.

Color Contrast Check

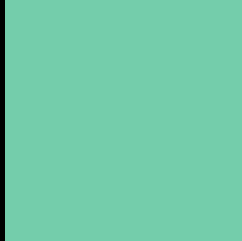
Large Text (above 18pt) WCAG AA × Fail

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 36.3845, 50.3159, 46.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

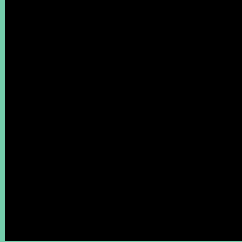
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3845, 50.3159, 46.3224

Background



This preview shows how black text looks on a background with the XYZ color 36.3845, 50.3159, 46.3224.



This preview shows how white text looks on a background with the XYZ color 36.3845, 50.3159,

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

36.3845, 50.3159, 46.3224

Protanopia

46.9683, 49.8496, 40.8647

Deuteranopia

50.6548, 49.7376, 48.0048



Tritanopia

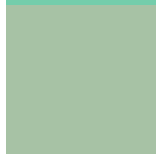
41.4416, 50.2652, 71.8079

Trichromacy



Original Color

36.3845, 50.3159, 46.3224



Protanomaly

42.0197, 49.5157, 42.9401



Deuteranomaly

43.7326, 48.9969, 47.1968



Tritanomaly

39.3638, 50.1078, 61.6299

Monochromacy



Original Color

36.3845, 50.3159, 46.3224



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.5253, 45.0438, 46.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3845, 50.3159, 46.3224 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(116, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(116, 205, 171)  
}
```

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(116, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 205, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.3845, 50.3159, 46.3224 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(116, 205, 171) }
```


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

```
.border{ border-color:rgb(116, 205, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 205, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(116, 205,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3845, 50.3159, 46.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 205, 171) }
```

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

```
.background{ background-color: rgb(116,  
205, 171) }
```

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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