

Converting Colors

XYZ(33.0825, 46.6305, 46.6858)

Have a look what the booklet for
XYZ(33.0825, 46.6305, 46.6858)
contains.

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Color

**XYZ(33.0033, 46.4606,
46.7635)**

Conversions

Conversions Part 1

Format	Color
Hex	62C7AD
RGB	98, 199, 173
RGB Percent	38%, 78%, 68%
CMY	0.6157, 0.2196, 0.3216
CMYK	0.51, 0.00, 0.13, 0.22
HSL	165°, 47%, 58%
HSV	165°, 51%, 78%
XYZ	33.0033, 46.4606, 46.7635
YIQ	165.8370, -51.8500, -29.4980

Conversions

Conversions Part 2

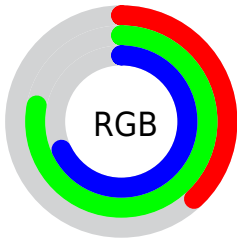
Format	Color
RYB	98, 156, 199
Decimal	6473645
CIELab	73.84, -35.82, 4.01
CIElCh	74, 36.046, 173.619
Yxy	46.4606, 0.2615, 0.3681
Android (android.graphics.Color)	4284663725 (0xFF62C7AD)
YUV	165.8370, 3.5314, -59.4930
Hunter-Lab	68.1620, -32.8558, 7.0367

Details

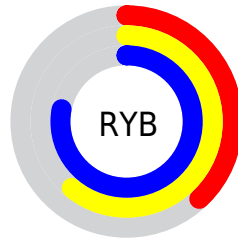
The XYZ color **33.0033, 46.4606, 46.7635** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.5606, 22.3341, 21.7182**, and the grayscale version is **36.1694, 38.0530, 41.4397**.

A 20% lighter version of the original color is **63.2812, 84.0900, 86.2945**, and **14.1176, 21.6843, 21.5306** is the 20% darker color. If you saturate the color by 10%, you get **30.6311, 45.2951, 44.1148**, and if you desaturate by 10%, it is **35.9308, 47.9126, 49.5395**.

Distribution



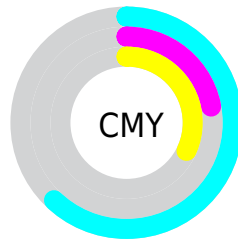
- Red (38%)
- Green (78%)
- Blue (68%)



- Red (38%)
- Yellow (61%)
- Blue (78%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)



- Cyan (62%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0033, 46.4606, 46.7635 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 33.0033, 46.4606, 46.7635 by changing the saturation by 10% instead.

■ 33.0033, 46.4606,
46.7635

■ 33.0033, 46.4606,
46.7635

307.3293,
372.6573, 390.2361

■ 22.2882, 32.6094,
32.4957

■ 63.7353, 84.9079,
86.7068

■ 14.1866, 21.8274,
21.4725

■ 84.4830, 110.2728,
113.2194

■ 8.3331, 13.7301,
13.2752

■ 109.3055,
140.2445, 144.6506

■ 4.3624, 7.9332,
7.4854

■ 138.5684,
175.2073, 181.4191

■ 1.9092, 4.0522,
3.6844

172.6368,
215.5455, 223.9434

■ 0.5821, 1.7028,
1.4539

211.8762,

■ 0.0000, 0.4255,

261.6437, 272.6419

0.1832

256.6519,
313.8862, 327.9333

■ 0.0000, 0.0000,
0.0000

■ 33.0033, 46.4606,
46.7635

■ 33.0033, 46.4606,
46.7635

■ 30.6311, 45.2951,
44.1148

■ 35.9308, 47.9126,
49.5395

■ 28.7699, 44.3896,
41.5871

■ 39.4462, 49.6642,
52.4423

■ 27.3746, 43.7222,
39.1783

■ 43.5840, 51.7345,
55.4757

■ 26.3905, 43.2646,
36.8846

■ 48.3748, 54.1391,
58.6421

■ 25.7513, 42.9792,
34.8606

■ 53.8473, 56.8929,
61.9438

■ 60.0284, 60.0096,
65.3832

■ 66.9435, 63.5024,
68.9624

■ 73.8002, 66.9627,
72.6454

■ 74.4649, 67.2287,
76.1460

Harmonies

Analogous

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



34.9571, 46.4606, 32.3986



33.0033, 46.4606, 46.7635



33.7974, 46.4606, 66.0973

Triad

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



33.0033, 46.4606, 46.7635



49.2865, 46.4606, 90.3338



51.8849, 46.4606, 27.1495

Complementary

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



33.0033, 46.4606, 46.7635



31.5606, 22.3341, 21.7182

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.



56.4485, 46.4606, 37.7165



33.0033, 46.4606, 46.7635



54.8497, 46.4606, 74.5594

Square

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



33.0033, 46.4606, 46.7635



42.8031, 46.4606, 94.4266



57.5827, 46.4606, 54.6149



45.5441, 46.4606, 22.9818

Rectangle

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



33.0033, 46.4606, 46.7635



35.8204, 46.4606, 79.0708



57.5827, 46.4606, 54.6149



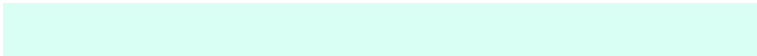
53.7015, 46.4606, 29.9266

Sweetspot

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



33.0046, 46.4624, 46.7646



80.8058, 92.8353, 100.1686



31.0773, 46.0855, 18.8138



16.9147, 19.6793, 21.1870



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.



33.0046, 46.4624, 46.7646



53.2148, 79.1020, 76.7228



30.7618, 37.5508, 59.6615



10.8256, 12.0191, 13.0317



16.5953, 27.6505, 22.6111



0.8140, 1.3205, 1.2194

Inverse Universe

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



31.5606, 22.3341, 21.7182



50.4411, 32.1478, 28.1630



32.6658, 26.8383, 15.0150



10.7441, 10.6810, 11.6356



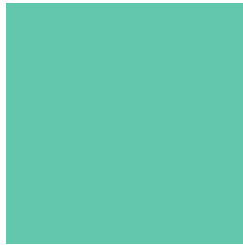
15.5634, 7.9749, 2.9109



0.7675, 0.3898, 0.2987

Previews

White Background



This preview shows how the XYZ color 33.0033, 46.4606, 46.7635 looks on a white background.

Color Contrast Check

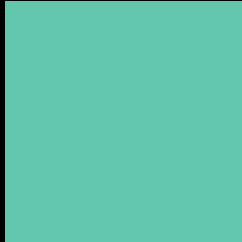
Large Text (above 18pt) WCAG AA × Fail

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 33.0033, 46.4606, 46.7635 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

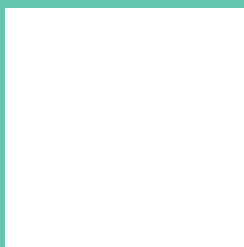
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0033, 46.4606, 46.7635

Background



This preview shows how black text looks on a background with the XYZ color 33.0033, 46.4606, 46.7635.



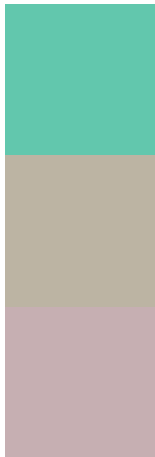
This preview shows how white text looks on a background with the XYZ color 33.0033, 46.4606,

46.7635.

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

33.0033, 46.4606, 46.7635

Protanopia

43.6712, 45.9782, 41.2233

Deuteranopia

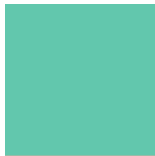
46.6546, 45.8801, 48.5163



Tritanopia

37.1071, 46.4382, 67.3293

Trichromacy



Original Color

33.0033, 46.4606, 46.7635



Protanomaly

38.2629, 45.2992, 43.2862



Deuteranomaly

39.8773, 45.0970, 47.6771



Tritanomaly

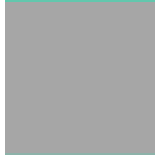
35.5294, 46.4686, 59.3213

Monochromacy



Original Color

33.0033, 46.4606, 46.7635



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0663, 40.3681, 43.5324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0033, 46.4606, 46.7635 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(98, 199, 173)` looks like.

```
.text, #text, p{  
    color:rgb(98, 199, 173)  
}
```

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(98, 199, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 199, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.0033, 46.4606, 46.7635 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(98, 199, 173) }
```


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

```
.border{ border-color:rgb(98, 199, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 199, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 199, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 199, 173);  
box-shadow:4px 4px 4px 4px rgb(98, 199,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0033, 46.4606, 46.7635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 199, 173) }
```

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

```
.background{ background-color: rgb(98, 199,  
173) }
```

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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