

Converting Colors

XYZ(33.3883, 46.6363, 42.9133)

Have a look what the booklet for
XYZ(33.3883, 46.6363, 42.9133)
contains.

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Color

**XYZ(33.3993, 46.7516,
42.8609)**

Conversions

Conversions Part 1

Format	Color
Hex	6CC7A5
RGB	108, 199, 165
RGB Percent	42%, 78%, 65%
CMY	0.5765, 0.2196, 0.3529
CMYK	0.46, 0.00, 0.17, 0.22
HSL	158°, 45%, 60%
HSV	158°, 46%, 78%
XYZ	33.3993, 46.7516, 42.8609
YIQ	167.9150, -43.3220, -29.8660

Conversions

Conversions Part 2

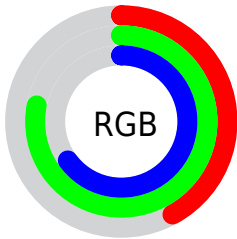
Format	Color
RYB	108, 164, 199
Decimal	7128997
CIELab	74.03, -35.23, 8.65
CIELCh	74, 36.276, 166.207
Yxy	46.7516, 0.2715, 0.3801
Android (android.graphics.Color)	4285319077 (0xFF6CC7A5)
YUV	167.9150, -1.4371, -52.5455
Hunter-Lab	68.3751, -32.4644, 10.6967

Details

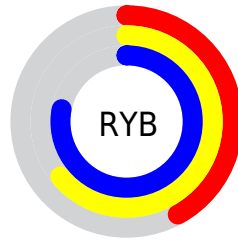
The XYZ color **33.3993, 46.7516, 42.8609** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7998, 24.8214, 28.6026**, and the grayscale version is **37.2009, 39.1382, 42.6215**.

A 20% lighter version of the original color is **63.9881, 84.5798, 80.6632**, and **14.4713, 22.1469, 19.1348** is the 20% darker color. If you saturate the color by 10%, you get **30.5927, 45.3819, 39.2994**, and if you desaturate by 10%, it is **36.8002, 48.4256, 46.6577**.

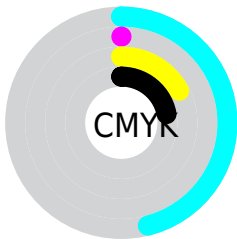
Distribution



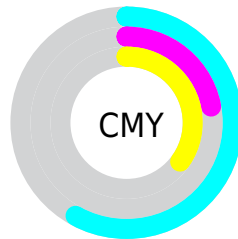
- Red (42%)
- Green (78%)
- Blue (65%)



- Red (42%)
- Yellow (64%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3993, 46.7516, 42.8609 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 33.3993, 46.7516, 42.8609 by changing the saturation by 10% instead.


 33.3993, 46.7516,
42.8609


 33.3993, 46.7516,
42.8609


309.0784,
373.8221, 373.9438


 22.5932, 32.8393,
29.4454


 64.3490, 85.3427,
80.7850


 14.4125, 22.0034,
19.1695


 85.2232, 110.7904,
106.1307

 8.4917, 13.8594,
11.6148


 110.1843,
140.8519, 136.2902

 4.4656, 8.0229,
6.3626

 139.5974,
175.9118, 171.6821

 1.9688, 4.1096,
2.9945

173.8281,
216.3543, 212.7248

 0.6163, 1.7351,
1.0918

213.2415,

 0.0000, 0.4462,

262.5640, 259.8370

0.0000

258.2032,
314.9251, 313.4371

■ 0.0000, 0.0000,
0.0000

■ 33.3993, 46.7516,
42.8609

■ 33.3993, 46.7516,
42.8609

■ 30.5927, 45.3819,
39.2994

■ 36.8002, 48.4256,
46.6577

■ 28.3378, 44.2909,
35.9646

■ 40.8267, 50.4162,
50.6917

■ 26.5923, 43.4582,
32.8521


■ 45.5124, 52.7419,
54.9685


■ 25.3056, 42.8576,
29.9559


■ 50.8873, 55.4182,
59.4930


■ 24.4153, 42.4572,
27.2693


■ 56.9795, 58.4595,
64.2695

 24.1034, 42.3202,
26.1822

 63.8157, 61.8793,
69.3024

 71.4208, 65.6906,
74.5959

 75.1850, 67.5168,
79.9371

 76.2187, 67.9303,
85.3810

Harmonies

Analogous

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



36.0341, 46.7516, 29.9850



33.3993, 46.7516, 42.8609



33.5117, 46.7516, 61.5292

Triad

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



33.3993, 46.7516, 42.8609



48.0056, 46.7516, 93.4410



53.6300, 46.7516, 29.2444

Complementary

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



33.3993, 46.7516, 42.8609



33.7998, 24.8214, 28.6026

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.



57.5086, 46.7516, 41.5793



33.3993, 46.7516, 42.8609



54.0518, 46.7516, 79.8132

Square

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



33.3993, 46.7516, 42.8609



41.5306, 46.7516, 94.0255



57.6700, 46.7516, 59.8964



47.4738, 46.7516, 23.5161

Rectangle

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



33.3993, 46.7516, 42.8609



35.1203, 46.7516, 75.0299



57.6700, 46.7516, 59.8964



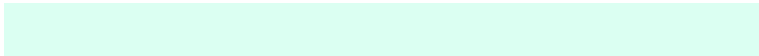
55.2686, 46.7516, 32.5995

Sweetspot

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



33.4006, 46.7535, 42.8620



81.0399, 93.0171, 97.4204



34.4392, 47.7608, 21.5917



16.9311, 19.7033, 20.4901



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.



33.4006, 46.7535, 42.8620



53.5288, 79.4405, 68.7603



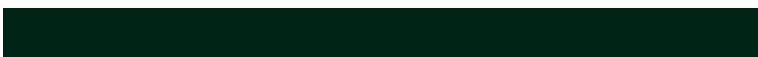
34.5599, 43.4439, 60.5990



10.7721, 11.9977, 12.7503



15.5420, 27.2292, 17.0645



0.7702, 1.3030, 0.9883

Inverse Universe

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



33.7998, 24.8214, 28.6026



54.3315, 36.2602, 40.7691



32.8127, 26.3286, 17.5406



10.7950, 10.7014, 11.9039



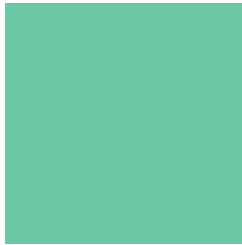
15.9870, 8.1444, 5.1413



0.7920, 0.3996, 0.4277

Previews

White Background



This preview shows how the XYZ color 33.3993, 46.7516, 42.8609 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 33.3993, 46.7516, 42.8609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

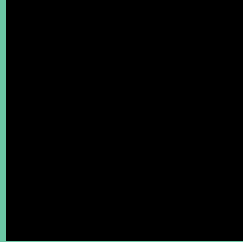
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

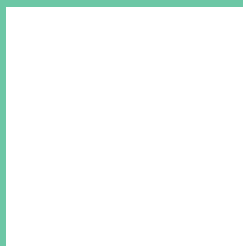
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3993, 46.7516, 42.8609

Background



This preview shows how black text looks on a background with the XYZ color 33.3993, 46.7516, 42.8609.



This preview shows how white text looks on a background with the XYZ color 33.3993, 46.7516,

42.8609.

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

33.3993, 46.7516, 42.8609

Protanopia

43.4729, 45.9562, 37.5895

Deuteranopia

46.9428, 46.1188, 44.4579



Tritanopia

38.3243, 46.7364, 67.3227

Trichromacy



Original Color

33.3993, 46.7516, 42.8609



Protanomaly

38.5255, 45.5174, 39.5561



Deuteranomaly

40.3568, 45.4330, 43.6882



Tritanomaly

36.3432, 46.5935, 57.5300

Monochromacy



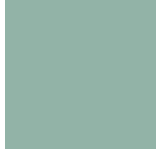
Original Color

33.3993, 46.7516, 42.8609



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9492, 41.1412, 42.6582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3993, 46.7516, 42.8609 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(108, 199, 165)` looks like.

```
.text, #text, p{  
    color:rgb(108, 199, 165)  
}
```

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(108, 199, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 199, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.3993, 46.7516, 42.8609 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(108, 199, 165) }
```


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

```
.border{ border-color:rgb(108, 199, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 199, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 199, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 199, 165);  
box-shadow:4px 4px 4px 4px rgb(108, 199,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3993, 46.7516, 42.8609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 199, 165) }
```

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

```
.background{ background-color: rgb(108,  
199, 165) }
```

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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