

Converting Colors

XYZ(33.5403, 46.6202, 37.0425)

Have a look what the booklet for
XYZ(33.5403, 46.6202, 37.0425)
contains.

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Color

**XYZ(33.4693, 46.5771,
36.9320)**

Conversions

Conversions Part 1

Format	Color
Hex	77C698
RGB	119, 198, 152
RGB Percent	47%, 78%, 60%
CMY	0.5333, 0.2235, 0.4039
CMYK	0.40, 0.00, 0.23, 0.22
HSL	145°, 41%, 62%
HSV	145°, 40%, 78%
XYZ	33.4693, 46.5771, 36.9320
YIQ	169.1350, -32.3180, -31.0540

Conversions

Conversions Part 2

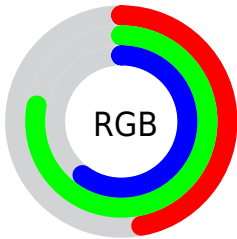
Format	Color
RYB	119, 175, 198
Decimal	7849624
CIELab	73.92, -34.50, 15.55
CIELCh	74, 37.843, 155.735
Yxy	46.5771, 0.2861, 0.3982
Android (android.graphics.Color)	4286039704 (0xFF77C698)
YUV	169.1350, -8.4476, -43.9684
Hunter-Lab	68.2474, -31.8946, 15.6885

Details

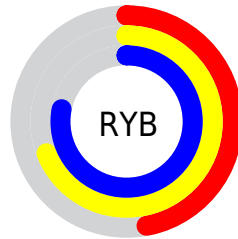
The XYZ color **33.4693, 46.5771, 36.9320** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.6786, 27.9170, 39.0544**, and the grayscale version is **37.8318, 39.8020, 43.3444**.

A 20% lighter version of the original color is **64.3561, 84.9749, 71.4024**, and **14.5022, 22.0099, 15.7959** is the 20% darker color. If you saturate the color by 10%, you get **30.1311, 44.9613, 32.0842**, and if you desaturate by 10%, it is **37.4679, 48.5253, 42.2920**.

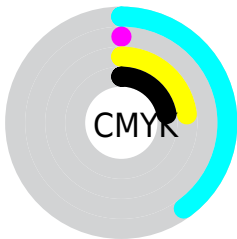
Distribution



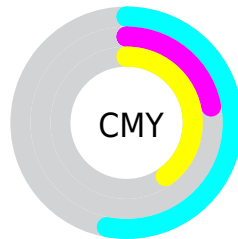
- Red (47%)
- Green (78%)
- Blue (60%)



- Red (47%)
- Yellow (69%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (53%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4693, 46.5771, 36.9320 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 33.4693, 46.5771, 36.9320 by changing the saturation by 10% instead.


 33.4693, 46.5771,
36.9320


 33.4693, 46.5771,
36.9320


309.3869,
373.1239, 348.1758


 22.6472, 32.7015,
24.8595


 64.4573, 85.0820,
71.6533

 14.4524, 21.8978,
15.7543


 85.3539, 110.4801,
95.1392

 8.5198, 13.7819,
9.1980


 110.3393,
140.4878, 123.2667

 4.4839, 7.9691,
4.7720

139.7790,
175.4894, 156.4542

 1.9794, 4.0752,
2.0577

174.0382,
215.8695, 195.1203

 0.6223, 1.7157,
0.5904

213.4824,

 0.0000, 0.4338,

262.0123, 239.6836

0.0000

258.4768,
314.3024, 290.5626

■ 0.0000, 0.0000,
0.0000

■ 33.4693, 46.5771,
36.9320

■ 33.4693, 46.5771,
36.9320

■ 30.1311, 44.9613,
32.0842

■ 37.4679, 48.5253,
42.2920

■ 27.4115, 43.6529,
27.7300

■ 42.1581, 50.8178,
48.1756

■ 25.2696, 42.6323,
23.8542

■ 47.5734, 53.4729,
54.5980

■ 23.6577, 41.8752,
20.4398

■ 53.7441, 56.5060,
61.5727

■ 22.5197, 41.3532,
17.4682

■ 60.6986, 59.9316,
69.1128

■ 21.7520, 41.0130,
14.9180

■ 68.4640, 63.7631,
77.2307

■ 21.7451, 41.0100,
14.8944

■ 76.1013, 67.5165,
85.8936

■ 77.8003, 68.1960,
94.8401

■ 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



37.1203, 46.5771, 26.1471



33.4693, 46.5771, 36.9320



32.5804, 46.5771, 54.5167

Triad

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



33.4693, 46.5771, 36.9320



45.5786, 46.5771, 97.3684



55.6526, 46.5771, 31.9699

Complementary

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



33.4693, 46.5771, 36.9320



36.6786, 27.9170, 39.0544

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.



58.4669, 46.5771, 47.0934



33.4693, 46.5771, 36.9320



52.2837, 46.5771, 87.2285

Square

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



33.4693, 46.5771, 36.9320



39.1519, 46.5771, 92.6649



57.1756, 46.5771, 67.5592



49.8160, 46.5771, 23.8329

Rectangle

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



33.4693, 46.5771, 36.9320



33.5861, 46.5771, 68.6096



57.1756, 46.5771, 67.5592



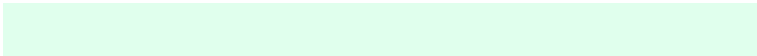
57.0091, 46.5771, 36.2377

Sweetspot

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



33.4705, 46.5790, 36.9331



81.9373, 93.5564, 93.9999



39.0598, 49.7304, 24.9935



17.2582, 19.8877, 19.7915



0.0000, 0.0000, 0.0000



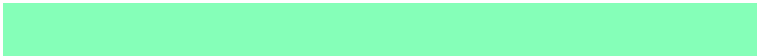
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4705, 46.5790, 36.9331



53.9931, 79.9233, 57.7790



37.2532, 48.0921, 56.8523



10.6782, 11.9602, 12.2554



14.1813, 26.6849, 9.8994



0.7074, 1.2779, 0.6580

Inverse Universe

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



36.6786, 27.9170, 39.0544



60.4566, 42.2792, 62.0206



33.6259, 26.6960, 22.9791



10.8885, 10.7388, 12.3960



17.2121, 8.6344, 11.5929



0.8505, 0.4231, 0.7360

Previews

White Background



This preview shows how the XYZ color 33.4693, 46.5771, 36.9320 looks on a white background.

Color Contrast Check

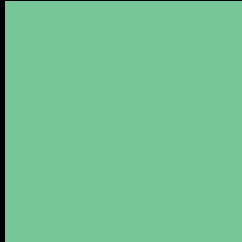
Large Text (above 18pt) WCAG AA × Fail

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 33.4693, 46.5771, 36.9320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

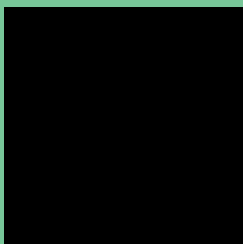
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

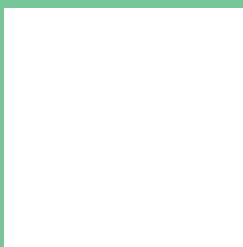
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4693, 46.5771, 36.9320

Background



This preview shows how black text looks on a background with the XYZ color 33.4693, 46.5771, 36.9320.



This preview shows how white text looks on a background with the XYZ color 33.4693, 46.5771,

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

33.4693, 46.5771, 36.9320

Protanopia

43.0935, 45.8626, 32.9667

Deuteranopia

46.9540, 45.9718, 38.2970



Tritanopia

39.1315, 46.5431, 65.3138

Trichromacy



Original Color

33.4693, 46.5771, 36.9320



Protanomaly

38.5538, 45.6466, 34.3824



Deuteranomaly

40.5291, 45.3475, 37.6272



Tritanomaly

36.9071, 46.6408, 53.5117

Monochromacy



Original Color

33.4693, 46.5771, 36.9320



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.6946, 41.8662, 40.8500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4693, 46.5771, 36.9320 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(119, 198, 152)` looks like.

```
.text, #text, p{  
    color:rgb(119, 198, 152)  
}
```

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(119, 198, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 198, 152) }
```

Border

The CSS property to change the border of an element to XYZ 33.4693, 46.5771, 36.9320 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(119, 198, 152) }
```


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

```
.border{ border-color:rgb(119, 198, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 198, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 198, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 198, 152); box-shadow:4px 4px 4px 4px rgb(119, 198, 152) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4693, 46.5771, 36.9320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 198, 152) }
```

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

```
.background{ background-color: rgb(119,  
198, 152) }
```

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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