

Converting Colors

XYZ(33.6222, 39.4900, 46.6025)

Have a look what the booklet for
XYZ(33.6222, 39.4900, 46.6025)
contains.

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Color

**XYZ(33.5797, 39.4642,
46.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	89B0AF
RGB	137, 176, 175
RGB Percent	54%, 69%, 69%
CMY	0.4627, 0.3098, 0.3137
CMYK	0.22, 0.00, 0.01, 0.31
HSL	178°, 20%, 61%
HSV	178°, 22%, 69%
XYZ	33.5797, 39.4642, 46.4049
YIQ	164.2250, -22.9230, -8.5790

Conversions

Conversions Part 2

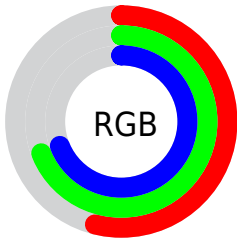
Format	Color
RYB	137, 157, 176
Decimal	9023663
CIELab	69.09, -13.28, -3.81
CIElCh	69, 13.819, 196.002
Yxy	39.4642, 0.2811, 0.3304
Android (android.graphics.Color)	4287213743 (0xFF89B0AF)
YUV	164.2250, 5.3121, -23.8763
Hunter-Lab	62.8205, -14.5217, 0.1774

Details

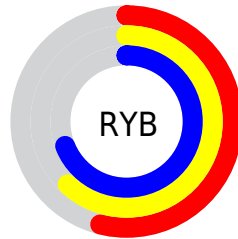
The XYZ color **33.5797, 39.4642, 46.4049** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.4390, 28.9575, 27.9787**, and the grayscale version is **35.3779, 37.2203, 40.5330**.

A 20% lighter version of the original color is **64.6254, 74.5028, 85.8373**, and **14.4959, 17.5744, 21.3671** is the 20% darker color. If you saturate the color by 10%, you get **30.8826, 38.0799, 46.0479**, and if you desaturate by 10%, it is **36.7499, 41.0944, 46.7865**.

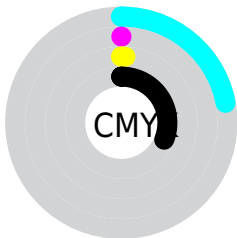
Distribution



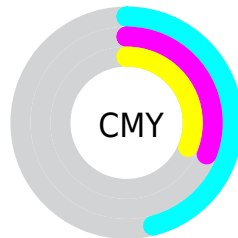
- Red (54%)
- Green (69%)
- Blue (69%)



- Red (54%)
- Yellow (62%)
- Blue (69%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (46%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5797, 39.4642, 46.4049 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 33.5797, 39.4642, 46.4049 by changing the saturation by 10% instead.


 33.5797, 39.4642,
46.4049


 33.5797, 39.4642,
46.4049


309.8729,
343.8601, 388.7589


 22.7323, 27.1210,
32.2145

 64.6282, 74.3469,
86.1653

 14.5155, 17.6641,
21.2592


 85.5599, 97.6553,
112.5724

 8.5642, 10.7091,
13.1205


 110.5838,
125.3875, 143.8887

 4.5128, 5.8716,
7.3799

140.0652,
157.9279, 180.5329

 1.9962, 2.7672,
3.6188

174.3694,
195.6610, 222.9235

 0.6318, 1.0114,
1.4186

213.8619,

 0.0000, 0.0000,

238.9711, 271.4790

0.1562

258.9079,
288.2427, 326.6179

■ 0.0000, 0.0000,
0.0000

■ 33.5797, 39.4642,
46.4049

■ 33.5797, 39.4642,
46.4049

■ 30.8826, 38.0799,
46.0479

■ 36.7499, 41.0944,
46.7865

■ 28.6324, 36.9250,
45.7118

■ 40.4110, 42.9766,
47.1910

■ 26.8055, 35.9883,
45.3963

■ 44.5840, 45.1227,
47.6202

■ 25.3749, 35.2559,
45.1001

■ 49.2879, 47.5424,
48.0750

■ 24.3103, 34.7121,
44.8217

■ 54.5406, 50.2451,
48.5563

■ 23.5772, 34.3392,
44.5597

■ 60.3590, 53.2393,
49.0649

■ 23.1345, 34.1161,
44.3121

■ 64.8188, 55.5332,
49.5106

■ 22.9225, 34.0107,
44.1248

■ 64.8644, 55.5514,
49.7506

■ 64.9101, 55.5697,
49.9914

Harmonies

Analogous

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



33.5441, 39.4642, 40.0990



33.5797, 39.4642, 46.4049



34.6407, 39.4642, 52.3102

Triad

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



33.5797, 39.4642, 46.4049



40.6430, 39.4642, 51.9687



38.5445, 39.4642, 32.2316

Complementary

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



33.5797, 39.4642, 46.4049



31.4390, 28.9575, 27.9787

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.



40.5325, 39.4642, 34.8132



33.5797, 39.4642, 46.4049



41.7758, 39.4642, 45.9745

Square

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



33.5797, 39.4642, 46.4049



38.6905, 39.4642, 55.7310



41.7346, 39.4642, 39.7086



36.3528, 39.4642, 32.3224

Rectangle

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



33.5797, 39.4642, 46.4049



35.8114, 39.4642, 55.0451



41.7346, 39.4642, 39.7086



39.2605, 39.4642, 32.8038

Sweetspot

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



33.5808, 39.4658, 46.4058



69.8798, 76.1890, 85.2154



30.5728, 38.2874, 29.4464



15.0618, 16.4691, 18.4584



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.5808, 39.4658, 46.4058



58.1982, 70.1859, 83.8111



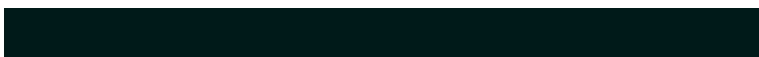
30.3469, 32.8397, 45.8155



8.7330, 9.6277, 10.8538



16.8214, 24.9545, 32.3920



0.5322, 0.7864, 1.0347

Inverse Universe

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



31.4390, 28.9575, 27.9787



53.5633, 47.4436, 43.9335



34.1759, 34.5469, 28.5345



8.5049, 8.5087, 8.8913



13.1584, 6.7809, 0.7283



0.4169, 0.2145, 0.0383

Previews

White Background



This preview shows how the XYZ color 33.5797, 39.4642, 46.4049 looks on a white background.

Color Contrast Check

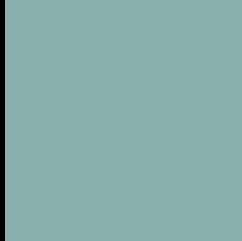
Large Text (above 18pt) WCAG AA × Fail

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 33.5797, 39.4642, 46.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

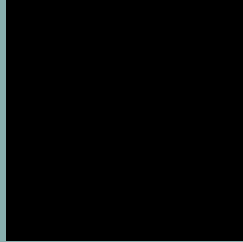
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5797, 39.4642, 46.4049

Background



This preview shows how black text looks on a background with the XYZ color 33.5797, 39.4642, 46.4049.

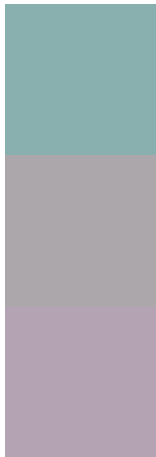


This preview shows how white text looks on a background with the XYZ color 33.5797, 39.4642,

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

33.5797, 39.4642, 46.4049

Protanopia

37.8690, 39.1976, 43.6002

Deuteranopia

39.9555, 39.1120, 47.5630



Tritanopia

35.0284, 39.4784, 53.3509

Trichromacy



Original Color

33.5797, 39.4642, 46.4049

Protanomaly

36.1192, 39.0989, 44.6729

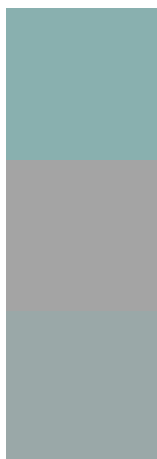
Deuteranomaly

37.2483, 39.0721, 47.1734

Tritanomaly

34.5247, 39.5678, 50.6175

Monochromacy



Original Color

33.5797, 39.4642, 46.4049

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3969, 37.7024, 42.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5797, 39.4642, 46.4049 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(137, 176, 175)` looks like.

```
.text, #text, p{  
    color:rgb(137, 176, 175)  
}
```

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(137, 176, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 176, 175) }
```

Border

The CSS property to change the border of an element to XYZ 33.5797, 39.4642, 46.4049 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(137, 176, 175) }
```


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

```
.border{ border-color:rgb(137, 176, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 176, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 176, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 176, 175);  
box-shadow:4px 4px 4px 4px rgb(137, 176,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5797, 39.4642, 46.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 176, 175) }
```

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

```
.background{ background-color: rgb(137,  
176, 175) }
```

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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