

Converting Colors

XYZ(23.3602, 36.3285, 29.9947)

Have a look what the booklet for
XYZ(23.3602, 36.3285, 29.9947)
contains.

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Color

**XYZ(23.3653, 36.3476,
29.8291)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB68A
RGB	63, 182, 138
RGB Percent	25%, 71%, 54%
CMY	0.7529, 0.2863, 0.4588
CMYK	0.65, 0.00, 0.24, 0.29
HSL	158°, 49%, 48%
HSV	158°, 65%, 71%
XYZ	23.3653, 36.3476, 29.8291
YIQ	141.4030, -56.8000, -38.9120

Conversions

Conversions Part 2

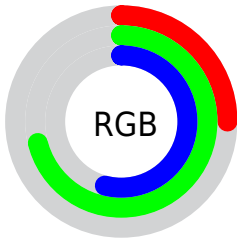
Format	Color
RYB	63, 136, 182
Decimal	4175498
CIELab	66.78, -43.61, 12.84
CIElCh	67, 45.462, 163.597
Yxy	36.3476, 0.2609, 0.4059
Android (android.graphics.Color)	4282365578 (0xFF3FB68A)
YUV	141.4030, -1.6777, -68.7594
Hunter-Lab	60.2890, -36.3271, 12.8674

Details

The XYZ color **23.3653, 36.3476, 29.8291** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.7240, 14.5625, 15.4718**, and the grayscale version is **25.4990, 26.8269, 29.2145**.

A 20% lighter version of the original color is **48.4389, 69.7055, 60.1917**, and **9.4806, 16.1429, 11.8487** is the 20% darker color. If you saturate the color by 10%, you get **21.9173, 35.6566, 27.2967**, and if you desaturate by 10%, it is **25.2296, 37.2516, 32.5402**.

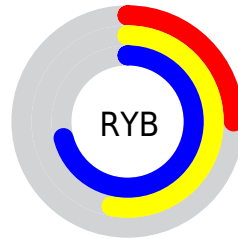
Distribution



Red (25%)

Green (71%)

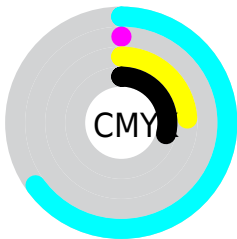
Blue (54%)



Red (25%)

Yellow (53%)

Blue (71%)

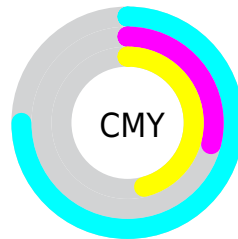


Cyan (65%)

Magenta (0%)

Yellow (24%)

Black (29%)



Cyan (75%)


Magenta (29%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3653, 36.3476, 29.8291 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 23.3653, 36.3476, 29.8291 by changing the saturation by 10% instead.


 23.3653, 36.3476,
29.8291


 23.3653, 36.3476,
29.8291


262.0962,
330.4773, 315.2895


 14.9857, 24.7028,
19.4580


 48.4547, 69.5682,
60.4496


 8.8956, 15.8558,
11.8215


 65.8952, 91.9128,
81.5361


 4.7297, 9.4221,
6.5012


 87.0866, 118.5928,
107.0314

 2.1227, 5.0175,
3.0785

 112.3944,
149.9926, 137.3541

 0.7015, 2.2576,
1.1348

 142.1839,
186.4965, 172.9227

 0.0000, 0.7511,
0.0000

176.8205,

 0.0000, 0.0000,

228.4890, 214.1558

0.0000

216.6695,
276.3545, 261.4719

■ 23.3653, 36.3476,
29.8291

■ 23.3653, 36.3476,
29.8291

■ 21.9173, 35.6566,
27.2967

■ 25.2296, 37.2516,
32.5402

■ 20.8426, 35.1538,
24.9359

■ 27.5419, 38.3820,
35.4318

■ 20.0926, 34.8149,
22.7421

■ 30.3342, 39.7563,
38.5090

■ 19.8061, 34.6882,
21.7825

■ 33.6346, 41.3888,
41.7756

■ 37.4689, 43.2928,
45.2355

■ 41.8612, 45.4807,
48.8923

■ 46.8339, 47.9641,
52.7495

■ 52.4085, 50.7538,
56.8104

■ 58.6051, 53.8602,
61.0785

Harmonies

Analogous

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



26.2182, 36.3476, 18.0209



23.3653, 36.3476, 29.8291



23.2366, 36.3476, 49.1493

Triad

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



23.3653, 36.3476, 29.8291



37.7455, 36.3476, 88.8869



45.0195, 36.3476, 18.8069

Complementary

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



23.3653, 36.3476, 29.8291



23.7240, 14.5625, 15.4718

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.



49.0367, 36.3476, 31.3349



23.3653, 36.3476, 29.8291



44.4764, 36.3476, 73.7665

Square

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



23.3653, 36.3476, 29.8291



30.9511, 36.3476, 88.0676



48.8257, 36.3476, 51.2446



38.4119, 36.3476, 13.2544

Rectangle

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



23.3653, 36.3476, 29.8291



24.6745, 36.3476, 64.4072



48.8257, 36.3476, 51.2446



46.7545, 36.3476, 22.1219

Sweetspot

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



23.3663, 36.3490, 29.8299



64.3599, 76.7132, 78.8562



23.8859, 37.0432, 10.5943



13.7932, 16.7342, 17.0316



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.3663, 36.3490, 29.8299



38.8910, 64.2452, 47.7653



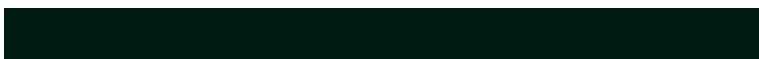
24.5187, 32.4839, 49.2353



9.1220, 10.1528, 10.7998



14.0193, 24.5087, 15.5553



0.5230, 0.8755, 0.7000

Inverse Universe

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



23.7240, 14.5625, 15.4718



39.6358, 21.8718, 20.0840



22.8354, 15.5964, 6.5100



9.1382, 9.0657, 10.0754



14.3748, 7.3237, 4.5948



0.5371, 0.2703, 0.3217

Previews

White Background



This preview shows how the XYZ color 23.3653, 36.3476, 29.8291 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 23.3653, 36.3476, 29.8291 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 23.3653, 36.3476, 29.8291

Background



This preview shows how black text looks on a background with the XYZ color 23.3653, 36.3476, 29.8291.

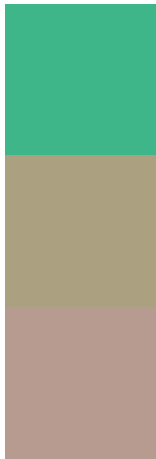


This preview shows how white text looks on a background with the XYZ color 23.3653, 36.3476,

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

23.3653, 36.3476, 29.8291

Protanopia

33.4357, 35.7062, 25.5518

Deuteranopia

36.2838, 35.5236, 31.3299



Tritanopia

28.0826, 36.1731, 53.6461

Trichromacy



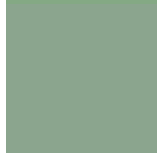
Original Color

23.3653, 36.3476, 29.8291



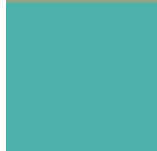
Protanomaly

27.8685, 34.9474, 27.1065



Deuteranomaly

28.9851, 34.3522, 30.6942



Tritanomaly

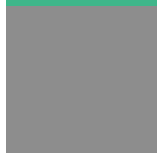
26.1566, 36.2796, 43.6543

Monochromacy



Original Color

23.3653, 36.3476, 29.8291



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.4321, 29.1811, 29.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3653, 36.3476, 29.8291 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(63, 182, 138)` looks like.

```
.text, #text, p{  
    color:rgb(63, 182, 138)  
}
```

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(63, 182, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 182, 138) }
```

Border

The CSS property to change the border of an element to XYZ 23.3653, 36.3476, 29.8291 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(63, 182, 138) }
```


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

```
.border{ border-color:rgb(63, 182, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 182, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 182, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 182, 138);  
box-shadow:4px 4px 4px 4px rgb(63, 182,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3653, 36.3476, 29.8291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 182, 138) }
```

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

```
.background{ background-color: rgb(63, 182,  
138) }
```

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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