

Converting Colors

XYZ(33.3928, 36.9421, 55.1199)

Have a look what the booklet for
XYZ(33.3928, 36.9421, 55.1199)
contains.

XYZ(33.3486, 36.8794, 55.2299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3486, 36.8794,
55.2299)**

Conversions

Conversions Part 1

Format	Color
Hex	86A8C0
RGB	134, 168, 192
RGB Percent	53%, 66%, 75%
CMY	0.4745, 0.3412, 0.2471
CMYK	0.30, 0.12, 0.00, 0.25
HSL	205°, 32%, 64%
HSV	205°, 30%, 75%
XYZ	33.3486, 36.8794, 55.2299
YIQ	160.5700, -27.9680, 0.2560

Conversions

Conversions Part 2

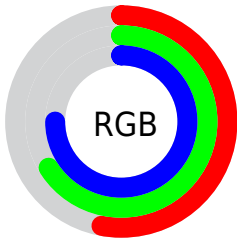
Format	Color
RYB	134, 155, 192
Decimal	8825024
CIELab	67.19, -5.91, -16.08
CIElCh	67, 17.129, 249.825
Yxy	36.8794, 0.2658, 0.2940
Android (android.graphics.Color)	4287015104 (0xFF86A8C0)
YUV	160.5700, 15.4950, -23.3019
Hunter-Lab	60.7284, -8.2526, -11.4118

Details

The XYZ color **33.3486, 36.8794, 55.2299** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.2687, 37.3818, 27.7537**, and the grayscale version is **33.6176, 35.3684, 38.5161**.

A 20% lighter version of the original color is **64.0700, 70.2440, 98.9885**, and **14.3125, 16.1196, 26.4018** is the 20% darker color. If you saturate the color by 10%, you get **29.1399, 32.5994, 54.6262**, and if you desaturate by 10%, it is **38.2048, 41.6280, 55.8912**.

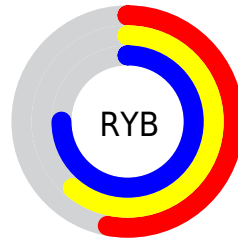
Distribution



Red (53%)

Green (66%)

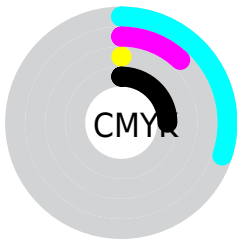
Blue (75%)



Red (53%)

Yellow (61%)

Blue (75%)

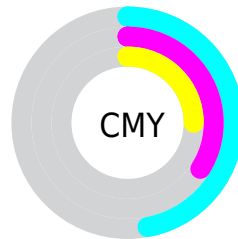


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (34%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3486, 36.8794, 55.2299 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 33.3486, 36.8794, 55.2299 by changing the saturation by 10% instead.

■ 33.3486, 36.8794,
55.2299

■ 33.3486, 36.8794,
55.2299

308.8549,
332.7881, 424.0893

■ 22.5541, 25.1141,
39.1860

■ 64.2704, 70.3873,
99.3522

■ 14.3835, 16.1621,
26.5955

■ 85.1285, 92.8986,
128.2677

■ 8.4714, 9.6389,
17.0399

■ 110.0719,
119.7609, 162.3108

■ 4.4523, 5.1602,
10.1007

139.4658,
151.3583, 201.9001

■ 1.9611, 2.3416,
5.3593

173.6758,
188.0753, 247.4540

■ 0.6120, 0.7956,
2.3972

213.0670,

■ 0.0000, 0.0000,

230.2964, 299.3912

0.7849

258.0049,
278.4058, 358.1301

■ 0.0000, 0.0000,
0.0000

■ 33.3486, 36.8794,
55.2299

■ 33.3486, 36.8794,
55.2299

■ 29.1399, 32.5994,
54.6262

■ 38.2048, 41.6280,
55.8912

■ 25.5435, 28.7648,
54.0756

■ 43.7344, 46.8583,
56.6092

■ 22.5262, 25.3570,
53.5769

■ 49.9661, 52.5880,
57.3867

■ 20.0495, 22.3537,
53.1277

■ 56.9257, 58.8327,
58.2253

■ 18.0699, 19.7298,
52.7256

■ 64.6376, 65.6071,
59.1264

■ 16.5364, 17.4565,
52.3676

■ 73.1252, 72.9254,
60.0917

■ 15.3704, 15.5176,
52.0548

■ 77.3065, 78.1697,
60.8835

■ 79.4869, 82.5305,
61.6103

■ 81.7683, 87.0934,
62.3708

Harmonies

Analogous

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



31.3345, 36.8794, 50.0921



33.3486, 36.8794, 55.2299



35.9170, 36.8794, 56.0649

Triad

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



33.3486, 36.8794, 55.2299



40.2392, 36.8794, 37.7501



31.9329, 36.8794, 30.0887

Complementary

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



33.3486, 36.8794, 55.2299



38.2687, 37.3818, 27.7537

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.



34.2025, 36.8794, 27.5822



33.3486, 36.8794, 55.2299



39.0541, 36.8794, 31.6282

Square

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



33.3486, 36.8794, 55.2299



39.9826, 36.8794, 45.3245



36.8140, 36.8794, 28.1085



30.5458, 36.8794, 35.3951

Rectangle

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



33.3486, 36.8794, 55.2299



37.6110, 36.8794, 53.9746



36.8140, 36.8794, 28.1085



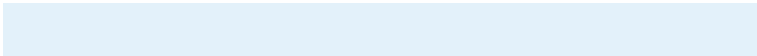
32.6132, 36.8794, 28.9226

Sweetspot

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



33.3497, 36.8809, 55.2307



80.3826, 85.9638, 102.7164



34.7849, 45.2095, 38.8818



16.9081, 18.1286, 21.9933



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.3497, 36.8809, 55.2307



55.4369, 61.7885, 99.3648



28.6958, 27.5729, 53.6794



10.0079, 10.7071, 12.8240



10.4208, 10.5981, 35.0530



0.5169, 0.5912, 1.5368

Inverse Universe

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



37.3322, 31.0848, 41.0798



63.9174, 50.2126, 69.0586



43.6431, 48.1305, 29.5452



10.3153, 10.1747, 11.7508



16.6559, 8.3521, 11.3660



0.7533, 0.3743, 0.6682

Previews

White Background



This preview shows how the XYZ color 33.3486, 36.8794, 55.2299 looks on a white background.

Color Contrast Check

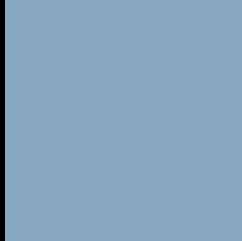
Large Text (above 18pt) WCAG AA × Fail

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 33.3486, 36.8794, 55.2299 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

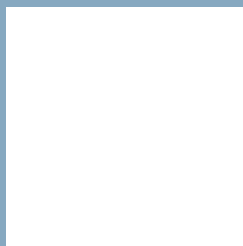
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3486, 36.8794, 55.2299

Background



This preview shows how black text looks on a background with the XYZ color 33.3486, 36.8794, 55.2299.



This preview shows how white text looks on a background with the XYZ color 33.3486, 36.8794,

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

33.3486, 36.8794, 55.2299

Protanopia

36.2955, 36.8424, 52.7753

Deuteranopia

37.4456, 36.5838, 56.1267



Tritanopia

32.2509, 36.7004, 50.1838

Trichromacy



Original Color

33.3486, 36.8794, 55.2299

Protanomaly

35.0384, 36.7091, 53.3829

Deuteranomaly

35.6828, 36.4632, 55.6095

Tritanomaly

32.7238, 36.9077, 51.8535

Monochromacy



Original Color

33.3486, 36.8794, 55.2299

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4844, 36.1088, 44.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3486, 36.8794, 55.2299 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(134, 168, 192)` looks like.

```
.text, #text, p{  
    color:rgb(134, 168, 192)  
}
```

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(134, 168, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 168, 192) }
```

Border

The CSS property to change the border of an element to XYZ 33.3486, 36.8794, 55.2299 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(134, 168, 192) }
```


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

```
.border{ border-color:rgb(134, 168, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 168, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 168, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 168, 192);  
box-shadow:4px 4px 4px 4px rgb(134, 168,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3486, 36.8794, 55.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 168, 192) }
```

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

```
.background{ background-color: rgb(134,  
168, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor