

Converting Colors

XYZ(33.6370, 35.3264, 39.6002)

Have a look what the booklet for
XYZ(33.6370, 35.3264, 39.6002)
contains.

XYZ(33.6789, 35.2595, 39.6810)	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(33.6789, 35.2595,
39.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A0A3
RGB	160, 160, 163
RGB Percent	63%, 63%, 64%
CMY	0.3725, 0.3725, 0.3608
CMYK	0.02, 0.02, 0.00, 0.36
HSL	240°, 2%, 63%
HSV	240°, 2%, 64%
XYZ	33.6789, 35.2595, 39.6810
YIQ	160.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

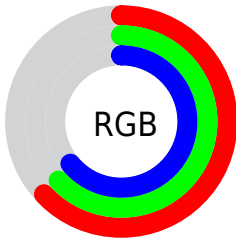
Format	Color
RYB	160, 160, 163
Decimal	10526883
CIELab	65.95, 0.58, -1.56
CIELCh	66, 1.669, 290.393
Yxy	35.2595, 0.3101, 0.3246
Android (android.graphics.Color)	4288716963 (0xFFFA0A0A3)
YUV	160.3420, 1.3104, -0.2999
Hunter-Lab	59.3797, -2.6731, 1.9447

Details

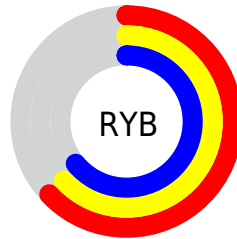
The XYZ color **33.6789, 35.2595, 39.6810** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5468, 36.5188, 38.4864**, and the grayscale version is **33.5667, 35.3148, 38.4578**.

A 20% lighter version of the original color is **64.9797, 68.1099, 76.0514**, and **14.6446, 15.3362, 17.2273** is the 20% darker color. If you saturate the color by 10%, you get **27.9907, 28.4072, 38.6587**, and if you desaturate by 10%, it is **40.1664, 43.0750, 40.8481**.

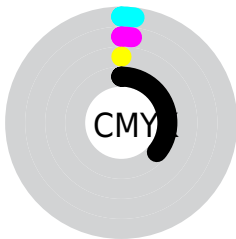
Distribution



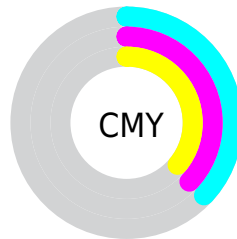
- Red (63%)
- Green (63%)
- Blue (64%)



- Red (63%)
- Yellow (63%)
- Blue (64%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (37%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6789, 35.2595, 39.6810 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 33.6789, 35.2595, 39.6810 by changing the saturation by 10% instead.

■ 33.6789, 35.2595,
39.6810

■ 33.6789, 35.2595,
39.6810

310.3091,
325.7123, 360.2892

■ 22.8087, 23.8628,
26.9780

■ 64.7816, 67.8876,
75.9093

■ 14.5723, 15.2319,
17.3244

■ 85.7449, 89.8878,
100.2716

■ 8.6041, 8.9823,
10.3017

110.8033,
116.1913, 129.3576

■ 4.5389, 4.7296,
5.4912

140.3221,
147.1825, 163.5856

■ 2.0113, 2.0895,
2.4745

174.6668,
183.2458, 203.3742

■ 0.6403, 0.6587,
0.8266

214.2026,

■ 0.0000, 0.0000,

224.7656, 249.1420

0.0000

259.2949,
272.1263, 301.3075

■ 33.6789, 35.2595,
39.6810

■ 33.6789, 35.2595,
39.6810

■ 27.9907, 28.4072,
38.6587

■ 40.1664, 43.0750,
40.8481

■ 23.0679, 22.4766,
37.7734

■ 47.4792, 51.8842,
42.1631

■ 18.8788, 17.4296,
37.0201

■ 55.6459, 61.7219,
43.6315

■ 15.3884, 13.2241,
36.3923

■ 64.6930, 72.6197,
45.2582

■ 12.5585, 9.8143,
35.8833

■ 74.6455, 84.6082,
47.0476

■ 10.3477, 7.1501,
35.4856

■ 83.6110, 95.4244,
48.6628

■ 8.7096, 5.1758,
35.1908

■ 7.5914, 3.8277,
34.9895

■ 6.9306, 3.0307,
34.8705

Harmonies

Analogous

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



33.4339, 35.2595, 39.7487



33.6789, 35.2595, 39.6810



33.8804, 35.2595, 39.2655

Triad

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



33.6789, 35.2595, 39.6810



33.8169, 35.2595, 37.3529



33.0469, 35.2595, 38.1650

Complementary

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



33.6789, 35.2595, 39.6810



34.5468, 36.5188, 38.4864

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.



33.1484, 35.2595, 37.5308



33.6789, 35.2595, 39.6810



33.5924, 35.2595, 37.0658

Square

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



33.6789, 35.2595, 39.6810



33.9603, 35.2595, 37.9195



33.3478, 35.2595, 37.1304



33.0698, 35.2595, 38.8676

Rectangle

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



33.6789, 35.2595, 39.6810



33.9626, 35.2595, 38.8500



33.3478, 35.2595, 37.1304



33.0676, 35.2595, 37.9369

Sweetspot

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



33.6799, 35.2610, 39.6818



61.2172, 64.2330, 71.2278



34.2014, 36.3111, 39.8335



13.7635, 14.4438, 16.0000



78.6606, 82.7571, 90.1225



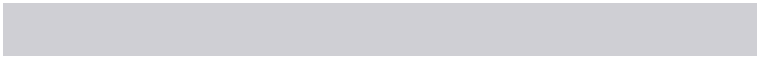
14.0027, 14.7319, 16.0430

Same Dimension

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



33.6799, 35.2610, 39.6818



60.1031, 62.8908, 71.0275



33.9711, 35.4106, 39.6953



7.6798, 8.0400, 9.0502



5.1390, 2.0574, 27.0560



0.1081, 0.0435, 0.5685

Inverse Universe

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



34.0210, 35.4670, 38.3121



60.7785, 63.2986, 68.3156



34.2520, 36.3674, 38.4727



7.7581, 8.0873, 8.7356



11.7394, 6.0518, 0.5524



0.2467, 0.1272, 0.0119

Previews

White Background



This preview shows how the XYZ color 33.6789, 35.2595, 39.6810 looks on a white background.

Color Contrast Check

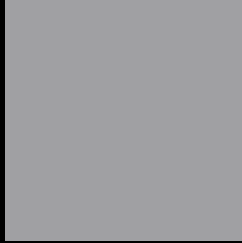
Large Text (above 18pt) WCAG AA × Fail

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 33.6789, 35.2595, 39.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

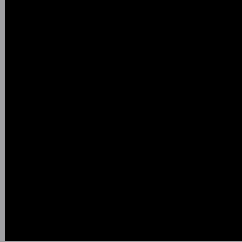
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

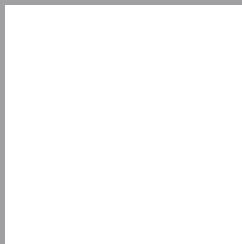
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6789, 35.2595, 39.6810

Background



This preview shows how black text looks on a background with the XYZ color 33.6789, 35.2595, 39.6810.

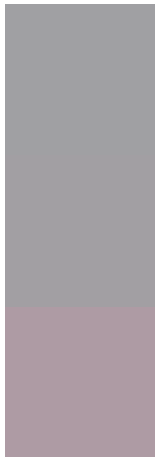


This preview shows how white text looks on a background with the XYZ color 33.6789, 35.2595,

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

33.6789, 35.2595, 39.6810

Protanopia

33.9093, 35.1220, 39.6423

Deuteranopia

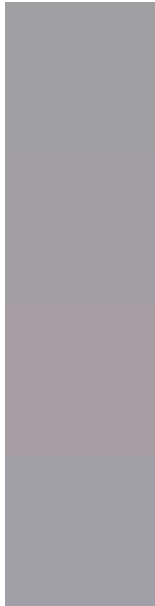
35.8777, 35.1217, 40.0102



Tritanopia

34.4468, 35.3136, 43.5287

Trichromacy



Original Color

33.6789, 35.2595, 39.6810

Protanomaly

33.7069, 35.0177, 39.6329

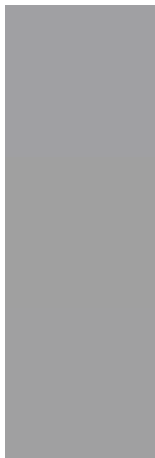
Deuteranomaly

35.1200, 35.2293, 40.0709

Tritanomaly

34.1640, 35.2005, 42.0395

Monochromacy



Original Color

33.6789, 35.2595, 39.6810

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.5010, 35.1884, 38.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6789, 35.2595, 39.6810 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(160, 160, 163)` looks like.

```
.text, #text, p{  
    color:rgb(160, 160, 163)  
}
```

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(160, 160, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 160, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.6789, 35.2595, 39.6810 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(160, 160, 163) }
```


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

```
.border{ border-color:rgb(160, 160, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 160, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 160, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 160, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 160,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6789, 35.2595, 39.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 160, 163) }
```

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

```
.background{ background-color: rgb(160,  
160, 163) }
```

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