

Converting Colors

XYZ(35.7674, 39.5192, 48.1756)

Have a look what the booklet for
XYZ(35.7674, 39.5192, 48.1756)
contains.

XYZ(35.6517, 39.3390, 48.3620)	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(35.6517, 39.3390,
48.3620)**

Conversions

Conversions Part 1

Format	Color
Hex	97ACB3
RGB	151, 172, 179
RGB Percent	59%, 67%, 70%
CMY	0.4078, 0.3255, 0.2980
CMYK	0.16, 0.04, 0.00, 0.30
HSL	195°, 16%, 65%
HSV	195°, 16%, 70%
XYZ	35.6517, 39.3390, 48.3620
YIQ	166.5190, -14.7630, -2.2750

Conversions

Conversions Part 2

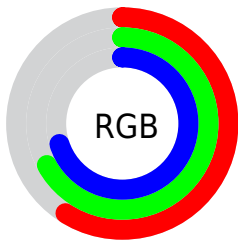
Format	Color
RYB	151, 163, 179
Decimal	9940147
CIELab	69.00, -5.77, -6.05
CIELCh	69, 8.361, 226.366
Yxy	39.3390, 0.2890, 0.3189
Android (android.graphics.Color)	4288130227 (0xFF97ACB3)
YUV	166.5190, 6.1531, -13.6102
Hunter-Lab	62.7208, -8.2986, -1.8120

Details

The XYZ color **35.6517, 39.3390, 48.3620** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4035, 36.2718, 34.3614**, and the grayscale version is **36.4739, 38.3734, 41.7886**.

A 20% lighter version of the original color is **67.6413, 73.9155, 89.2993**, and **15.7379, 17.6486, 22.3157** is the 20% darker color. If you saturate the color by 10%, you get **31.7418, 36.0816, 47.9400**, and if you desaturate by 10%, it is **40.0970, 42.9170, 48.8190**.

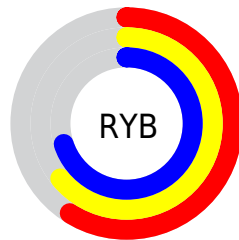
Distribution



Red (59%)

Green (67%)

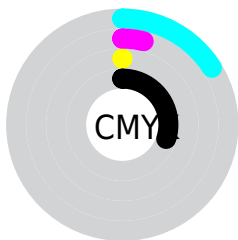
Blue (70%)



Red (59%)

Yellow (64%)

Blue (70%)

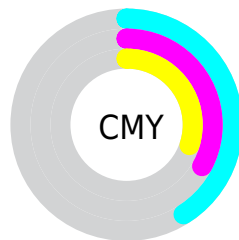


Cyan (16%)

Magenta (4%)

Yellow (0%)

Black (30%)



Cyan (41%)

Magenta (33%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6517, 39.3390, 48.3620 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 35.6517, 39.3390, 48.3620 by changing the saturation by 10% instead.

■ 35.6517, 39.3390,
48.3620

■ 35.6517, 39.3390,
48.3620

318.8935,
343.3296, 396.7752

■ 24.3342, 27.0235,
33.7516

■ 67.8215, 74.1559,
89.1143

■ 15.7078, 17.5909,
22.4270

■ 89.4045, 97.4262,
116.0933

■ 9.4071, 10.6567,
13.9697

115.1401,
125.1168, 148.0322

■ 5.0669, 5.8365,
7.9611

145.3936,
157.6122, 185.3497

■ 2.3217, 2.7459,
3.9826

180.5303,
195.2968, 228.4642

■ 0.8058, 1.0006,
1.6158

220.9156,

■ 0.0000, 0.0000,

238.5550, 277.7942

0.3021

266.9149,
287.7711, 333.7584

■ 0.0000, 0.0000,
0.0000

■ 35.6517, 39.3390,
48.3620

■ 35.6517, 39.3390,
48.3620

■ 31.7418, 36.0816,
47.9400

■ 40.0970, 42.9170,
48.8190

■ 28.3408, 33.1277,
47.5490

■ 45.0958, 46.8223,
49.3093

■ 25.4253, 30.4657,
47.1889

■ 50.6694, 51.0673,
49.8349

■ 22.9684, 28.0815,
46.8582

■ 56.8372, 55.6623,
50.3968

■ 20.9406, 25.9594,
46.5555

■ 63.6174, 60.6173,
50.9958

■ 19.3086, 24.0817,
46.2791

■ 69.7646, 65.2904,
51.5738

■ 18.0342, 22.4284,
46.0271

■ 70.8081, 67.3773,
51.9216

■ 17.0689, 20.9739,
45.7972

■ 71.8821, 69.5253,
52.2796

■ 16.6986, 20.3783,
45.7018

■ 72.9869, 71.7348,
52.6479

Harmonies

Analogous

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



34.9877, 39.3390, 44.9327



35.6517, 39.3390, 48.3620



36.7904, 39.3390, 50.3609

Triad

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



35.6517, 39.3390, 48.3620



39.9340, 39.3390, 44.5850



36.6738, 39.3390, 36.1770

Complementary

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



35.6517, 39.3390, 48.3620



36.4035, 36.2718, 34.3614

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.



37.9972, 39.3390, 36.0962



35.6517, 39.3390, 48.3620



39.9010, 39.3390, 40.8006

Square

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



35.6517, 39.3390, 48.3620



39.2741, 39.3390, 48.0944



39.1850, 39.3390, 37.7432



35.5681, 39.3390, 37.9709

Rectangle

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



35.6517, 39.3390, 48.3620



37.6751, 39.3390, 50.5409



39.1850, 39.3390, 37.7432



37.1074, 39.3390, 35.9524

Sweetspot

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



35.6529, 39.3406, 48.3629



72.2843, 77.2364, 87.4795



35.0148, 41.2728, 38.2593



15.8842, 17.0085, 19.3680



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.6529, 39.3406, 48.3629



61.1666, 68.2447, 86.3299



33.2065, 34.4480, 47.5474



8.5592, 9.2647, 10.8435



11.8534, 14.5072, 32.3124



0.4159, 0.5424, 1.0310

Inverse Universe

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



37.1043, 34.6963, 43.7730



64.3250, 58.3359, 76.2980



38.8409, 41.1465, 35.1739



8.7575, 8.6097, 10.2213



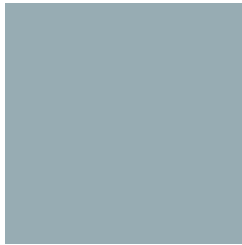
16.2177, 8.0046, 16.8383



0.5320, 0.2605, 0.6440

Previews

White Background



This preview shows how the XYZ color 35.6517, 39.3390, 48.3620 looks on a white background.

Color Contrast Check

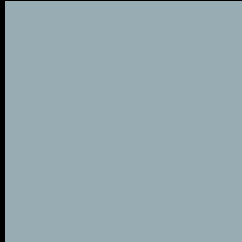
Large Text (above 18pt) WCAG AA × Fail

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 35.6517, 39.3390, 48.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

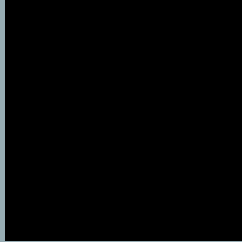
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6517, 39.3390, 48.3620

Background



This preview shows how black text looks on a background with the XYZ color 35.6517, 39.3390, 48.3620.



This preview shows how white text looks on a background with the XYZ color 35.6517, 39.3390,

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

35.6517, 39.3390, 48.3620

Protanopia

38.0174, 39.2070, 46.6383

Deuteranopia

40.0281, 39.1143, 49.1562



Tritanopia

36.2688, 39.3040, 51.5738

Trichromacy



Original Color

35.6517, 39.3390, 48.3620

Protanomaly

37.0241, 39.2316, 47.2161

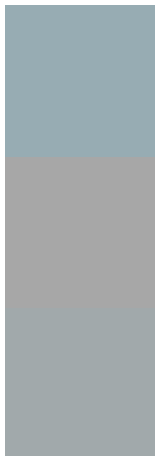
Deuteranomaly

38.2366, 39.0027, 48.6930

Tritanomaly

36.0590, 39.2201, 50.4695

Monochromacy



Original Color

35.6517, 39.3390, 48.3620

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.2366, 38.8933, 44.1254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6517, 39.3390, 48.3620 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(151, 172, 179)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 179)  
}
```

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(151, 172, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 179) }
```

Border

The CSS property to change the border of an element to XYZ 35.6517, 39.3390, 48.3620 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(151, 172, 179) }
```


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

```
.border{ border-color:rgb(151, 172, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 179);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6517, 39.3390, 48.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 179) }
```

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

```
.background{ background-color: rgb(151,  
172, 179) }
```

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