

Converting Colors

XYZ(36.7989, 35.7911, 59.3018)

Have a look what the booklet for
XYZ(36.7989, 35.7911, 59.3018)
contains.

XYZ(36.6638, 35.6084, 58.9735)	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(36.6638, 35.6084,
58.9735)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9DC7
RGB	159, 157, 199
RGB Percent	62%, 62%, 78%
CMY	0.3765, 0.3843, 0.2196
CMYK	0.20, 0.21, 0.00, 0.22
HSL	243°, 27%, 70%
HSV	243°, 21%, 78%
XYZ	36.6638, 35.6084, 58.9735
YIQ	162.3860, -12.2900, 13.4860

Conversions

Conversions Part 2

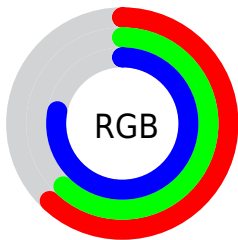
Format	Color
R_{YB}	159, 157, 199
Decimal	10460615
CIE _{Lab}	66.22, 9.58, -21.27
CIE _{LCh}	66, 23.327, 294.243
Yxy	35.6084, 0.2794, 0.2713
Android (android.graphics.Color)	4288650695 (0xFF9F9DC7)
YUV	162.3860, 18.0507, -2.9695
Hunter-Lab	59.6728, 5.2456, -16.8243

Details

The XYZ color **36.6638, 35.6084, 58.9735** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.5364, 55.1524, 39.9345**, and the grayscale version is **34.4466, 36.2405, 39.4659**.

A 20% lighter version of the original color is **69.3250, 68.6031, 104.1956**, and **16.3283, 15.4782, 28.9151** is the 20% darker color. If you saturate the color by 10%, you get **30.0927, 27.6240, 57.7793**, and if you desaturate by 10%, it is **44.3618, 44.9895, 60.3791**.

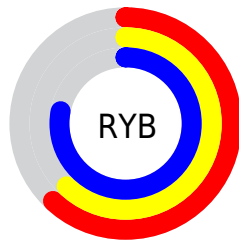
Distribution



Red (62%)

Green (62%)

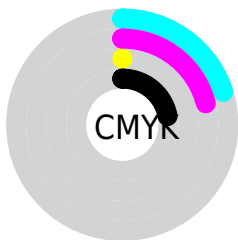
Blue (78%)



Red (62%)

Yellow (62%)

Blue (78%)

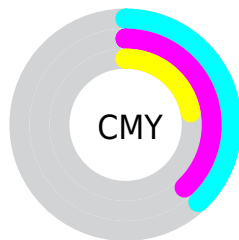


Cyan (20%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6638, 35.6084, 58.9735 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 36.6638, 35.6084, 58.9735 by changing the saturation by 10% instead.

■ 36.6638, 35.6084,
58.9735

■ 36.6638, 35.6084,
58.9735

323.2335,
327.2457, 438.5028

■ 25.1198, 24.1319,
42.1719

■ 69.3726, 68.4272,
104.8679

■ 16.2955, 15.4315,
28.9094

■ 91.2681, 90.5383,
134.7978

■ 9.8257, 9.1228,
18.7673

117.3448,
116.9631, 169.9409

■ 5.3449, 4.8214,
11.3271

147.9680,
148.0859, 210.7156

■ 2.4878, 2.1428,
6.1704

183.5031,
184.2912, 257.5407

■ 0.8891, 0.6886,
2.8785

224.3155,

■ 0.0000, 0.0000,

225.9633, 310.8346

1.0329

270.7705,
273.4867, 371.0158

■ 0.0000, 0.0000,
0.0000

■ 36.6638, 35.6084,
58.9735

■ 36.6638, 35.6084,
58.9735

■ 30.0927, 27.6240,
57.7793

■ 44.3618, 44.9895,
60.3791

■ 24.5925, 20.9654,
56.7839

■ 53.2326, 55.8250,
62.0030

■ 20.1073, 15.5622,
55.9774

■ 63.3235, 68.1746,
63.8549

■ 16.5751, 11.3355,
55.3477

■ 74.6784, 82.0935,
65.9430

■ 13.9267, 8.1977,
54.8817

■ 86.8571, 96.6707,
68.1148

■ 12.0840, 6.0489,
54.5640

■ 87.3089, 96.9036,
68.1360

■ 10.9549, 4.7706,
54.3768

■ 10.4274, 4.1847,
54.2915

Harmonies

Analogous

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



33.1788, 35.6084, 61.1035



36.6638, 35.6084, 58.9735



39.5631, 35.6084, 51.0660

Triad

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



36.6638, 35.6084, 58.9735



37.9022, 35.6084, 25.2208



27.6211, 35.6084, 36.8832

Complementary

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



36.6638, 35.6084, 58.9735



49.5364, 55.1524, 39.9345

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.



28.7057, 35.6084, 28.6279



36.6638, 35.6084, 58.9735



34.5195, 35.6084, 22.6755

Square

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



36.6638, 35.6084, 58.9735



40.3116, 35.6084, 31.4313



31.1740, 35.6084, 23.8068



28.1093, 35.6084, 47.1738

Rectangle

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



36.6638, 35.6084, 58.9735



40.6929, 35.6084, 44.2048



31.1740, 35.6084, 23.8068



27.8114, 35.6084, 33.8027

Sweetspot

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



36.6649, 35.6099, 58.9743



85.2025, 87.9639, 107.0958



44.3172, 51.4980, 61.6377



18.0175, 18.5600, 22.8828



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.6649, 35.6099, 58.9743



59.0563, 56.0976, 102.3231



41.0500, 37.8704, 59.1795



10.1026, 10.3111, 13.3753



6.7260, 2.7016, 34.9113



0.3351, 0.1365, 1.6538

Inverse Universe

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



45.6894, 40.2887, 58.1933



77.4908, 65.6569, 100.6567



44.5507, 52.5822, 39.7012



11.0605, 10.8076, 13.3017



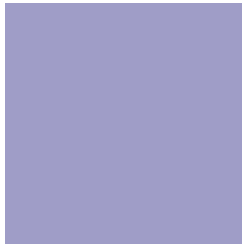
21.0983, 10.1889, 32.0569



1.0059, 0.4852, 1.5541

Previews

White Background



This preview shows how the XYZ color 36.6638, 35.6084, 58.9735 looks on a white background.

Color Contrast Check

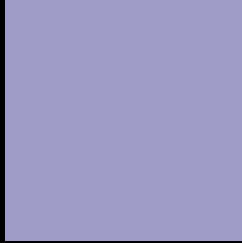
Large Text (above 18pt) WCAG AA × Fail

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 36.6638, 35.6084, 58.9735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

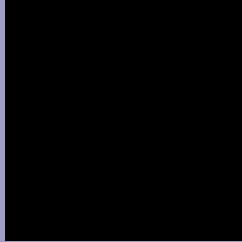
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6638, 35.6084, 58.9735

Background



This preview shows how black text looks on a background with the XYZ color 36.6638, 35.6084, 58.9735.



This preview shows how white text looks on a background with the XYZ color 36.6638, 35.6084,

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

36.6638, 35.6084, 58.9735

Protanopia

35.7033, 35.5926, 60.2466

Deuteranopia

36.4403, 35.7453, 59.0118



Tritanopia

33.7113, 35.4158, 45.1035

Trichromacy



Original Color

36.6638, 35.6084, 58.9735

Protanomaly

35.9786, 35.4939, 59.5983

Deuteranomaly

36.6362, 35.8463, 59.0209

Tritanomaly

34.8284, 35.6284, 49.8411

Monochromacy



Original Color

36.6638, 35.6084, 58.9735

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0066, 35.8138, 45.6252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6638, 35.6084, 58.9735 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(159, 157, 199)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 199)  
}
```

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(159, 157, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.6638, 35.6084, 58.9735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

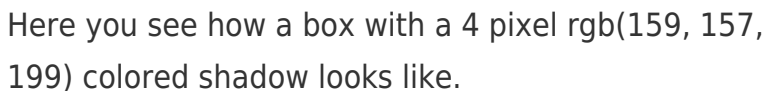
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 157, 199) }
```


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

```
.border{ border-color:rgb(159, 157, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 157, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 199);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6638, 35.6084, 58.9735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 199) }
```

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

```
.background{ background-color: rgb(159,  
157, 199) }
```

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