

Converting Colors

XYZ(36.8158, 35.2027, 58.2811)

Have a look what the booklet for
XYZ(36.8158, 35.2027, 58.2811)
contains.

XYZ(36.8147, 35.2013, 58.2803)	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(36.8147, 35.2013,
58.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	A29BC6
RGB	162, 155, 198
RGB Percent	64%, 61%, 78%
CMY	0.3647, 0.3921, 0.2235
CMYK	0.18, 0.22, 0.00, 0.22
HSL	250°, 27%, 69%
HSV	250°, 22%, 78%
XYZ	36.8147, 35.2013, 58.2803
YIQ	161.9950, -9.6310, 14.8570

Conversions

Conversions Part 2

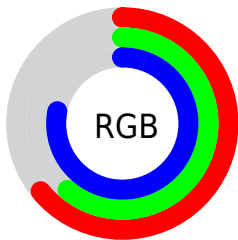
Format	Color
R_{YB}	162, 155, 198
Decimal	10656710
CIE _{Lab}	65.91, 11.43, -21.17
CIE _{LCh}	66, 24.061, 298.370
Yxy	35.2013, 0.2825, 0.2702
Android (android.graphics.Color)	4288846790 (0xFFA29BC6)
YUV	161.9950, 17.7505, 0.0044
Hunter-Lab	59.3307, 6.9306, -16.7089

Details

The XYZ color **36.8147, 35.2013, 58.2803** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.5975, 53.8320, 38.8939**, and the grayscale version is **34.2640, 36.0484, 39.2567**.

A 20% lighter version of the original color is **69.4657, 67.5726, 103.9893**, and **16.4148, 15.2292, 28.4599** is the 20% darker color. If you saturate the color by 10%, you get **30.6376, 27.5205, 57.1239**, and if you desaturate by 10%, it is **43.9783, 44.1945, 59.6392**.

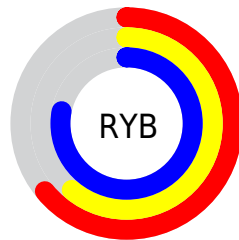
Distribution



Red (64%)

Green (61%)

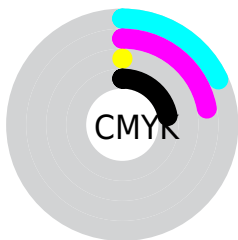
Blue (78%)



Red (64%)

Yellow (61%)

Blue (78%)

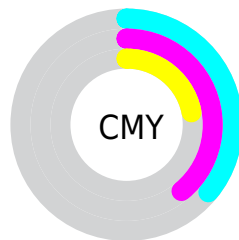


Cyan (18%)

Magenta (22%)

Yellow (0%)

Black (22%)



Cyan (36%)

Magenta (39%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8147, 35.2013, 58.2803 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 36.8147, 35.2013, 58.2803 by changing the saturation by 10% instead.

■ 36.8147, 35.2013,
58.2803

■ 36.8147, 35.2013,
58.2803

323.8771,
325.4560, 435.8570

■ 25.2371, 23.8180,
41.6178

■ 69.6034, 67.7975,
103.8497

■ 16.3834, 15.1987,
28.4788

■ 91.5451, 89.7792,
133.5938

■ 9.8885, 8.9589,
18.4447

117.6723,
116.0624, 168.5355

■ 5.3868, 4.7144,
11.0970

148.3503,
147.0316, 209.0933

■ 2.5130, 2.0807,
6.0171

183.9444,
183.0712, 255.6858

■ 0.9018, 0.6537,
2.7865

224.8200,

■ 0.0000, 0.0000,

224.5655, 308.7316

0.9867

271.3424,
271.8990, 368.6491

■ 0.0000, 0.0000,
0.0000

■ 36.8147, 35.2013,
58.2803

■ 36.8147, 35.2013,
58.2803

■ 30.6376, 27.5205,
57.1239

■ 43.9783, 44.1945,
59.6392

■ 25.4001, 21.0861,
56.1580

■ 52.1658, 54.5531,
61.2071

■ 21.0564, 15.8333,
55.3730

■ 61.4168, 66.3326,
62.9932

■ 17.5557, 11.6892,
54.7576

■ 71.7679, 79.5841,
65.0054

■ 14.8416, 8.5731,
54.2992

■ 83.2536, 94.3559,
67.2513

■ 12.8507, 6.3930,
53.9833

■ 87.1932, 96.8573,
67.5264

■ 11.5094, 5.0398,
53.7929

■ 10.7959, 4.3880,
53.7046

Harmonies

Analogous

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



33.2636, 35.2013, 61.4366



36.8147, 35.2013, 58.2803



39.6269, 35.2013, 49.5480

Triad

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



36.8147, 35.2013, 58.2803



37.1750, 35.2013, 23.9499



27.0750, 35.2013, 37.7737

Complementary

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



36.8147, 35.2013, 58.2803



47.5975, 53.8320, 38.8939

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.



27.9646, 35.2013, 28.9446



36.8147, 35.2013, 58.2803



33.6527, 35.2013, 21.8906

Square

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



36.8147, 35.2013, 58.2803



39.8451, 35.2013, 29.7523



30.3114, 35.2013, 23.5450



27.7923, 35.2013, 48.4115

Rectangle

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



36.8147, 35.2013, 58.2803



40.6154, 35.2013, 42.4148



30.3114, 35.2013, 23.5450



27.1947, 35.2013, 34.5129

Sweetspot

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



36.8158, 35.2027, 58.2811



84.3316, 86.4102, 106.8418



42.4627, 48.5487, 60.5595



17.8620, 18.2571, 22.8325



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.



36.8158, 35.2027, 58.2811



59.8669, 55.6957, 102.2028



41.4321, 37.5825, 58.4971



10.2149, 10.3690, 13.3805



7.0693, 2.8786, 34.9274



0.3866, 0.1630, 1.6562

Inverse Universe

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



44.4151, 39.2115, 54.5193



75.7340, 64.0706, 94.1293



42.7000, 51.3072, 38.6647



11.0061, 10.7858, 13.0153



19.6346, 9.6034, 24.3492



0.9501, 0.4629, 1.2602

Previews

White Background



This preview shows how the XYZ color 36.8147, 35.2013, 58.2803 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 36.8147, 35.2013, 58.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

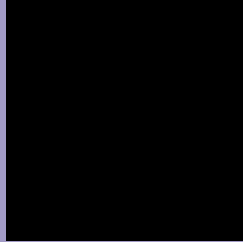
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8147, 35.2013, 58.2803

Background



This preview shows how black text looks on a background with the XYZ color 36.8147, 35.2013, 58.2803.



This preview shows how white text looks on a background with the XYZ color 36.8147, 35.2013,

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

36.8147, 35.2013, 58.2803

Protanopia

35.2299, 35.1079, 59.5633

Deuteranopia

36.1546, 35.3593, 58.3455



Tritanopia

33.9218, 35.2883, 44.0532

Trichromacy



Original Color

36.8147, 35.2013, 58.2803

Protanomaly

35.6922, 35.1075, 58.9281

Deuteranomaly

36.3796, 35.2251, 58.3078

Tritanomaly

34.8654, 35.1608, 48.6652

Monochromacy



Original Color

36.8147, 35.2013, 58.2803

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0363, 35.5728, 45.5771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8147, 35.2013, 58.2803 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(162, 155, 198)` looks like.

```
.text, #text, p{  
    color:rgb(162, 155, 198)  
}
```

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(162, 155, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 155, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.8147, 35.2013, 58.2803 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(162, 155, 198) }
```


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

```
.border{ border-color:rgb(162, 155, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 155, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 155, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 155, 198);  
box-shadow:4px 4px 4px 4px rgb(162, 155,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8147, 35.2013, 58.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 155, 198) }
```

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

```
.background{ background-color: rgb(162,  
155, 198) }
```

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