

Converting Colors

XYZ(36.9206, 34.1397, 51.5489)

Have a look what the booklet for
XYZ(36.9206, 34.1397, 51.5489)
contains.

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Color

**XYZ(36.8892, 34.1712,
51.6651)**

Conversions

Conversions Part 1

Format	Color
Hex	AC96BB
RGB	172, 150, 187
RGB Percent	67%, 59%, 73%
CMY	0.3255, 0.4117, 0.2667
CMYK	0.08, 0.20, 0.00, 0.27
HSL	276°, 21%, 66%
HSV	276°, 20%, 73%
XYZ	36.8892, 34.1712, 51.6651
YIQ	160.7960, 1.2350, 16.1710

Conversions

Conversions Part 2

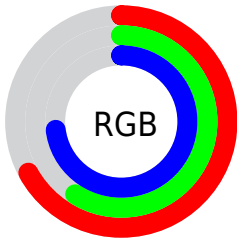
Format	Color
R _Y B	172, 150, 187
Decimal	11310779
CIE Lab	65.10, 15.16, -16.17
CIE LCh	65, 22.163, 313.147
Yxy	34.1712, 0.3006, 0.2784
Android (android.graphics.Color)	4289500859 (0xFFAC96BB)
YUV	160.7960, 12.9186, 9.8259
Hunter-Lab	58.4561, 10.3456, -11.4828

Details

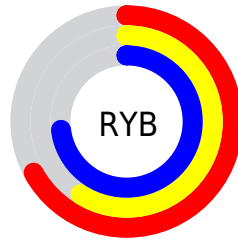
The XYZ color **36.8892, 34.1712, 51.6651** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.7936, 45.7429, 35.6404**, and the grayscale version is **33.7240, 35.4803, 38.6381**.

A 20% lighter version of the original color is **69.7654, 66.1508, 93.8854**, and **16.3727, 14.5668, 24.5030** is the 20% darker color. If you saturate the color by 10%, you get **32.5235, 27.8395, 50.6736**, and if you desaturate by 10%, it is **41.8281, 41.5071, 52.8213**.

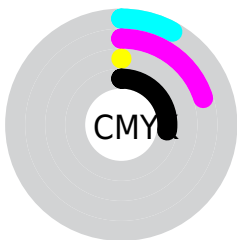
Distribution



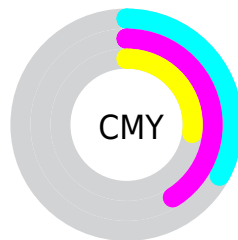
- Red (67%)
- Green (59%)
- Blue (73%)



- Red (67%)
- Yellow (59%)
- Blue (73%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (27%)





- Cyan (33%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8892, 34.1712, 51.6651 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 36.8892, 34.1712, 51.6651 by changing the saturation by 10% instead.


 36.8892, 34.1712,
51.6651


 36.8892, 34.1712,
51.6651


324.1944,
320.8948, 410.0624

 25.2950, 23.0252,
36.3578

 69.7173, 66.1998,
94.0587

 16.4269, 14.6121,
24.4188


 91.6819, 87.8512,
121.9821

 9.9195, 8.5476,
15.4295


117.8340,
113.7731, 154.9479

 5.4075, 4.4473,
8.9714

148.5389,
144.3499, 193.3747

 2.5255, 1.9268,
4.6260

184.1621,
179.9661, 237.6810

 0.9081, 0.5644,
1.9747

225.0688,

 0.0000, 0.0000,

221.0061, 288.2854

0.5396

271.6245,
267.8541, 345.6063

■ 0.0000, 0.0000,
0.0000

■ 36.8892, 34.1712,
51.6651

■ 36.8892, 34.1712,
51.6651

■ 32.5235, 27.8395,
50.6736

■ 41.8281, 41.5071,
52.8213

■ 28.7038, 22.4618,
49.8369

■ 47.3597, 49.8858,
54.1470

■ 25.4052, 17.9899,
49.1476

■ 53.5062, 59.3490,
55.6496

■ 22.5993, 14.3698,
48.5967

■ 60.2879, 69.9348,
57.3355

■ 20.2549, 11.5413,
48.1743

■ 67.7239, 81.6797,
59.2105

18.3365, 9.4362,
47.8691

73.4910, 89.9349,
60.5000

16.8026, 7.9742,
47.6678

75.8035, 91.1270,
60.6082

15.5737, 6.9988,
47.5443

78.2210, 92.3733,
60.7213

15.5487, 6.9795,
47.5419

80.7448, 93.6743,
60.8394

Harmonies

Analogous

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



33.9042, 34.1712, 57.2310



36.8892, 34.1712, 51.6651



38.7570, 34.1712, 42.5752

Triad

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



36.8892, 34.1712, 51.6651



34.3028, 34.1712, 22.7130



26.8268, 34.1712, 41.3775

Complementary

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



36.8892, 34.1712, 51.6651



38.7936, 45.7429, 35.6404

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.



26.9179, 34.1712, 32.3095



36.8892, 34.1712, 51.6651



31.0938, 34.1712, 22.5006

Square

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



36.8892, 34.1712, 51.6651



37.1976, 34.1712, 26.3716



28.4346, 34.1712, 25.7337



28.1768, 34.1712, 50.6647

Rectangle

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



36.8892, 34.1712, 51.6651



39.0457, 34.1712, 36.2438



28.4346, 34.1712, 25.7337



26.6927, 34.1712, 38.1864

Sweetspot

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



36.8903, 34.1726, 51.6658



78.4404, 79.6500, 95.4411



35.0790, 37.1341, 52.3329



17.1337, 17.3286, 20.9843



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.8903, 34.1726, 51.6658



62.3447, 55.7628, 91.6788



40.0438, 35.8361, 50.1088



9.5456, 9.4981, 12.0024



10.7965, 4.8519, 32.7604



0.4952, 0.2273, 1.2866

Inverse Universe

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



38.1926, 35.0956, 40.3601



65.2132, 57.7866, 67.1861



36.1059, 44.3282, 36.8279



9.6862, 9.5988, 10.7363



15.0484, 7.6505, 5.5487



0.6220, 0.3127, 0.3886

Previews

White Background



This preview shows how the XYZ color 36.8892, 34.1712, 51.6651 looks on a white background.

Color Contrast Check

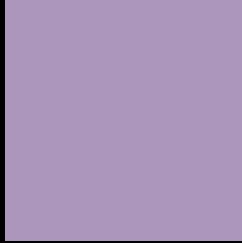
Large Text (above 18pt) WCAG AA × Fail

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 36.8892, 34.1712, 51.6651 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 36.8892, 34.1712, 51.6651

Background



This preview shows how black text looks on a background with the XYZ color 36.8892, 34.1712, 51.6651.



This preview shows how white text looks on a background with the XYZ color 36.8892, 34.1712,

51.6651.

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

36.8892, 34.1712, 51.6651

Protanopia

34.0386, 34.3596, 54.1282

Deuteranopia

34.9157, 34.1300, 51.2019



Tritanopia

34.8007, 34.2994, 40.8626

Trichromacy



Original Color

36.8892, 34.1712, 51.6651

Protanomaly

34.9504, 34.0980, 53.4547

Deuteranomaly

35.5640, 34.2201, 51.1851

Tritanomaly

35.6088, 34.3845, 44.8045

Monochromacy



Original Color

36.8892, 34.1712, 51.6651

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.8297, 35.0156, 42.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8892, 34.1712, 51.6651 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(172, 150, 187)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 187)  
}
```

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(172, 150, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 187) }
```

Border

The CSS property to change the border of an element to XYZ 36.8892, 34.1712, 51.6651 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(172, 150, 187) }
```


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

```
.border{ border-color:rgb(172, 150, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 150, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 150, 187);  
box-shadow:4px 4px 4px 4px rgb(172, 150,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8892, 34.1712, 51.6651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 187) }
```

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

```
.background{ background-color: rgb(172,  
150, 187) }
```

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](#).

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