

Converting Colors

XYZ(34.0151, 36.8360, 57.8182)

Have a look what the booklet for
XYZ(34.0151, 36.8360, 57.8182)
contains.

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Color

**XYZ(33.9359, 36.8572,
57.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	88A7C4
RGB	136, 167, 196
RGB Percent	53%, 65%, 77%
CMY	0.4667, 0.3451, 0.2314
CMYK	0.31, 0.15, 0.00, 0.23
HSL	209°, 34%, 65%
HSV	209°, 31%, 77%
XYZ	33.9359, 36.8572, 57.5501
YIQ	161.0370, -27.7850, 2.4470

Conversions

Conversions Part 2

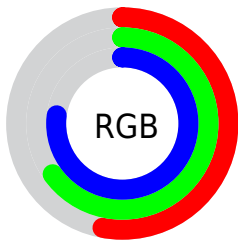
Format	Color
RYB	136, 156, 196
Decimal	8955844
CIELab	67.17, -3.78, -18.31
CIELCh	67, 18.695, 258.343
Yxy	36.8572, 0.2644, 0.2872
Android (android.graphics.Color)	4287145924 (0xFF88A7C4)
YUV	161.0370, 17.2368, -21.9574
Hunter-Lab	60.7101, -6.4644, -13.7068

Details

The XYZ color **33.9359, 36.8572, 57.5501** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.6647, 40.4242, 28.9530**, and the grayscale version is **33.8261, 35.5877, 38.7550**.

A 20% lighter version of the original color is **65.3368, 70.4108, 103.0755**, and **14.6694, 16.0993, 27.9255** is the 20% darker color. If you saturate the color by 10%, you get **29.3669, 32.0200, 56.8579**, and if you desaturate by 10%, it is **39.2164, 42.2517, 58.3137**.

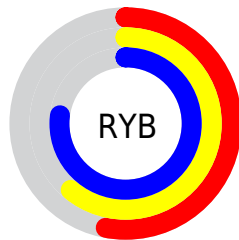
Distribution



Red (53%)

Green (65%)

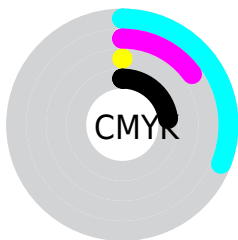
Blue (77%)



Red (53%)

Yellow (61%)

Blue (77%)

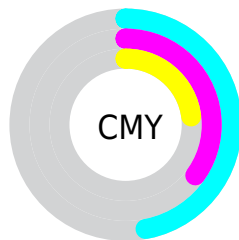


Cyan (31%)

Magenta (15%)

Yellow (0%)

Black (23%)



Cyan (47%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9359, 36.8572, 57.5501 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 33.9359, 36.8572, 57.5501 by changing the saturation by 10% instead.

■ 33.9359, 36.8572,
57.5501

■ 33.9359, 36.8572,
57.5501

311.4371,
332.6919, 433.0588

■ 23.0070, 25.0969,
41.0348

■ 65.1789, 70.3531,
102.7757

■ 14.7194, 16.1493,
28.0263

■ 86.2238, 92.8575,
132.3230

■ 8.7077, 9.6299,
18.1063

■ 111.3713,
119.7122, 167.0515

■ 4.6066, 5.1542,
10.8561

140.9870,
151.3014, 207.3795

■ 2.0507, 2.3380,
5.8572

175.4360,
188.0095, 253.7257

■ 0.6622, 0.7937,
2.6911

215.0838,

■ 0.0000, 0.0000,

230.2211, 306.5087

0.9389

260.2957,
278.3204, 366.1468

■ 0.0000, 0.0000,
0.0000

■ 33.9359, 36.8572,
57.5501

■ 33.9359, 36.8572,
57.5501

■ 29.3669, 32.0200,
56.8579

■ 39.2164, 42.2517,
58.3137

■ 25.4716, 27.7139,
56.2320

■ 45.2370, 48.2195,
59.1482

■ 22.2134, 23.9168,
55.6708

■ 52.0286, 54.7812,
60.0568

■ 19.5507, 20.6031,
55.1715

■ 59.6196, 61.9550,
61.0414

■ 17.4364, 17.7438,
54.7311

■ 68.0366, 69.7583,
62.1040

■ 15.8147, 15.3056,
54.3459

■ 77.3050, 78.2077,
63.2464

■ 14.6440, 13.3457,
54.0293

■ 80.4319, 83.7014,
64.1420

■ 83.1909, 89.2194,
65.0616

■ 86.0961, 95.0299,
66.0300

Harmonies

Analogous

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



31.5136, 36.8572, 53.0379



33.9359, 36.8572, 57.5501



36.7849, 36.8572, 56.9497

Triad

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



33.9359, 36.8572, 57.5501



40.4956, 36.8572, 35.3915



31.0943, 36.8572, 30.5763

Complementary

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



33.9359, 36.8572, 57.5501



40.6647, 40.4242, 28.9530

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.



33.3350, 36.8572, 27.0002



33.9359, 36.8572, 57.5501



38.8022, 36.8572, 29.5092

Square

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



33.9359, 36.8572, 57.5501



40.6781, 36.8572, 43.3870



36.1508, 36.8572, 26.6380



29.9335, 36.8572, 37.0426

Rectangle

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



33.9359, 36.8572, 57.5501



38.5429, 36.8572, 53.7437



36.1508, 36.8572, 26.6380



31.7404, 36.8572, 29.0364

Sweetspot

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



33.9371, 36.8587, 57.5510



83.6679, 89.0302, 107.3825



36.5950, 47.3952, 42.3424



17.5383, 18.6948, 22.9340



0.0000, 0.0000, 0.0000



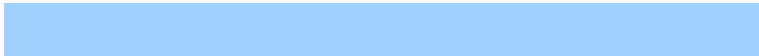
20.3446, 21.4041, 23.3091

Same Dimension

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



33.9371, 36.8587, 57.5510



55.5761, 60.5579, 103.3674



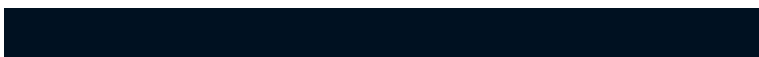
29.2067, 27.3979, 55.9742



9.9491, 10.5895, 12.8044



9.4959, 8.7483, 34.7447



0.4791, 0.5155, 1.5241

Inverse Universe

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



38.5452, 32.1352, 40.7319



65.4819, 51.2508, 67.0223



46.5014, 52.0976, 30.8986



10.2856, 10.1628, 11.5945



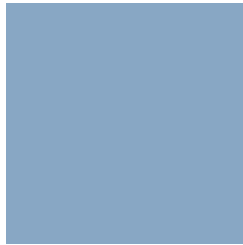
16.1891, 8.1654, 8.9076



0.7342, 0.3667, 0.5677

Previews

White Background



This preview shows how the XYZ color 33.9359, 36.8572, 57.5501 looks on a white background.

Color Contrast Check

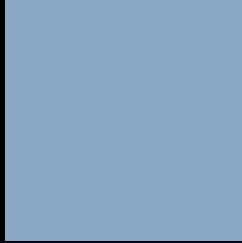
Large Text (above 18pt) WCAG AA × Fail

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 33.9359, 36.8572, 57.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

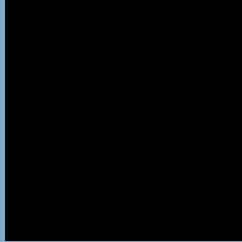
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

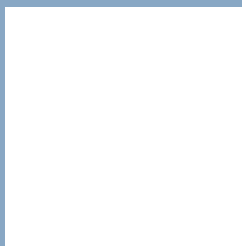
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9359, 36.8572, 57.5501

Background



This preview shows how black text looks on a background with the XYZ color 33.9359, 36.8572, 57.5501.



This preview shows how white text looks on a background with the XYZ color 33.9359, 36.8572,

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

33.9359, 36.8572, 57.5501

Protanopia

36.3394, 36.8145, 55.0598

Deuteranopia

37.6641, 36.9002, 58.5634



Tritanopia

32.4081, 36.7814, 50.1912

Trichromacy



Original Color

33.9359, 36.8572, 57.5501

Protanomaly

35.2955, 36.7907, 55.6931

Deuteranomaly

36.3121, 36.9979, 58.0508

Tritanomaly

32.9112, 36.7044, 52.9270

Monochromacy



Original Color

33.9359, 36.8572, 57.5501

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6861, 35.9258, 45.2033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9359, 36.8572, 57.5501 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(136, 167, 196)` looks like.

```
.text, #text, p{  
    color:rgb(136, 167, 196)  
}
```

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(136, 167, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 167, 196) }
```

Border

The CSS property to change the border of an element to XYZ 33.9359, 36.8572, 57.5501 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(136, 167, 196) }
```


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

```
.border{ border-color:rgb(136, 167, 196) }
```

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

Here you see how a box with a 4 pixel rgb(136, 167, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 167, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 167, 196);  
box-shadow:4px 4px 4px 4px rgb(136, 167,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9359, 36.8572, 57.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 167, 196) }
```

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

```
.background{ background-color: rgb(136,  
167, 196) }
```

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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