

Converting Colors

XYZ(33.4671, 36.1459, 63.1458)

Have a look what the booklet for
XYZ(33.4671, 36.1459, 63.1458)
contains.

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Color

**XYZ(33.5578, 36.2694,
62.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	80A6CD
RGB	128, 166, 205
RGB Percent	50%, 65%, 80%
CMY	0.4980, 0.3490, 0.1961
CMYK	0.38, 0.19, 0.00, 0.20
HSL	210°, 44%, 65%
HSV	210°, 38%, 80%
XYZ	33.5578, 36.2694, 62.9896
YIQ	159.0840, -35.1670, 4.0730

Conversions

Conversions Part 2

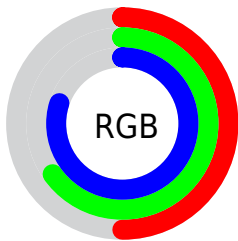
Format	Color
RYB	128, 153, 205
Decimal	8431309
CIELab	66.73, -3.18, -24.02
CIELCh	67, 24.228, 262.449
Yxy	36.2694, 0.2527, 0.2731
Android (android.graphics.Color)	4286621389 (0xFF80A6CD)
YUV	159.0840, 22.6366, -27.2607
Hunter-Lab	60.2241, -5.9292, -19.8558

Details

The XYZ color **33.5578, 36.2694, 62.9896** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.8927, 42.1761, 26.3035**, and the grayscale version is **32.9053, 34.6190, 37.7000**.

A 20% lighter version of the original color is **63.4349, 69.0002, 104.5827**, and **14.5049, 15.7648, 31.5566** is the 20% darker color. If you saturate the color by 10%, you get **28.9685, 31.2145, 62.2564**, and if you desaturate by 10%, it is **38.9248, 41.9531, 63.8044**.

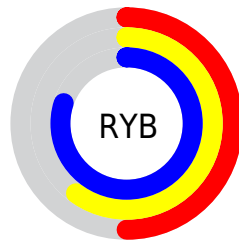
Distribution



Red (50%)

Green (65%)

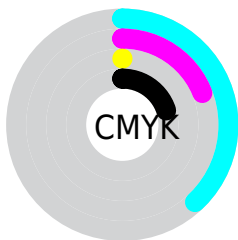
Blue (80%)



Red (50%)

Yellow (60%)

Blue (80%)

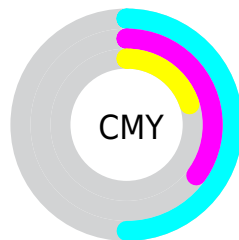


Cyan (38%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (50%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5578, 36.2694, 62.9896 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 33.5578, 36.2694, 62.9896 by changing the saturation by 10% instead.

■ 33.5578, 36.2694,
62.9896

■ 33.5578, 36.2694,
62.9896

309.7765,
330.1365, 453.6387

■ 22.7154, 24.6423,
45.3918

■ 64.5943, 69.4477,
110.7399

■ 14.5030, 15.8108,
31.4210

■ 85.5191, 91.7677,
141.7296

■ 8.5554, 9.3904,
20.6585

■ 110.5353,
118.4208, 178.0203

■ 4.5071, 4.9967,
12.6858

140.0084,
149.7913, 220.0306

■ 1.9928, 2.2453,
7.0844

174.3038,
186.2638, 268.1791

■ 0.6299, 0.7445,
3.4357

213.7866,

■ 0.0000, 0.0000,

228.2226, 322.8842

1.3212

258.8224,
276.0520, 384.5646

■ 0.0000, 0.0000,
0.0790

■ 0.0000, 0.0000,
0.0000

■ 33.5578, 36.2694,
62.9896

■ 33.5578, 36.2694,
62.9896

■ 28.9685, 31.2145,
62.2564

■ 38.9248, 41.9531,
63.8044

■ 25.1120, 26.7575,
61.5994

■ 45.1040, 48.2860,
64.7011

■ 21.9440, 22.8708,
61.0162

■ 52.1319, 55.2928,
65.6832

■ 19.4132, 19.5223,
60.5032

■ 60.0418, 62.9955,
66.7530

■ 17.4602, 16.6753,
60.0566

■ 68.8650, 71.4148,
67.9131

■ 16.0028, 14.2814,
59.6714

■ 78.6312, 80.5706,
69.1656

■ 15.6898, 13.7483,
59.5850

■ 83.0337, 87.2161,
70.2163

■ 86.1561, 93.4608,
71.2571

■ 88.0196, 97.1878,
71.8782

Harmonies

Analogous

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



30.3652, 36.2694, 57.6916



33.5578, 36.2694, 62.9896



37.2266, 36.2694, 61.1638

Triad

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



33.5578, 36.2694, 62.9896



41.3838, 36.2694, 32.2940



29.1966, 36.2694, 28.4518

Complementary

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



33.5578, 36.2694, 62.9896



42.8927, 42.1761, 26.3035

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.



31.8586, 36.2694, 23.6587



33.5578, 36.2694, 62.9896



38.9355, 36.2694, 25.5883

Square

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



33.5578, 36.2694, 62.9896



41.9188, 36.2694, 42.1952



35.4046, 36.2694, 22.7119



27.9656, 36.2694, 36.9053

Rectangle

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



33.5578, 36.2694, 62.9896



39.4366, 36.2694, 56.2799



35.4046, 36.2694, 22.7119



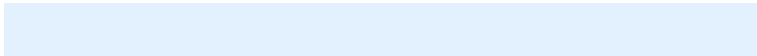
29.9444, 36.2694, 26.4251

Sweetspot

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



33.5590, 36.2708, 62.9905



81.1068, 86.3309, 106.9965



37.6634, 51.0243, 44.1821



17.0189, 18.1387, 22.8541



0.0000, 0.0000, 0.0000



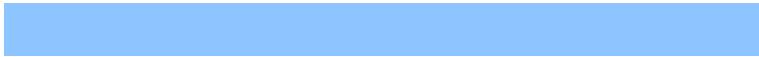
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5590, 36.2708, 62.9905



48.8465, 52.6954, 102.2045



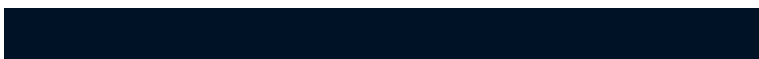
27.6419, 24.4367, 61.0181



11.0513, 11.7430, 14.2545



9.8622, 8.7484, 37.1251



0.5847, 0.6031, 1.9405

Inverse Universe

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



39.7800, 31.1719, 39.9979



60.7190, 44.1151, 58.0664



50.9052, 58.2010, 28.9743



11.4393, 11.3044, 12.8477



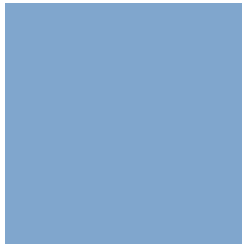
17.1889, 8.6861, 8.7134



0.9251, 0.4634, 0.6513

Previews

White Background



This preview shows how the XYZ color 33.5578, 36.2694, 62.9896 looks on a white background.

Color Contrast Check

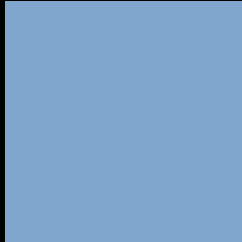
Large Text (above 18pt) WCAG AA × Fail

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 33.5578, 36.2694, 62.9896 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

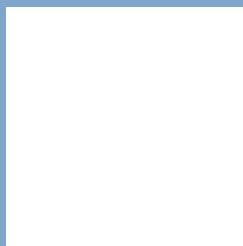
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5578, 36.2694, 62.9896

Background



This preview shows how black text looks on a background with the XYZ color 33.5578, 36.2694, 62.9896.

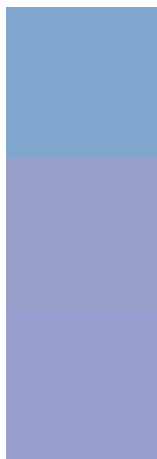


This preview shows how white text looks on a background with the XYZ color 33.5578, 36.2694,

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

33.5578, 36.2694, 62.9896

Protanopia

36.0623, 36.0341, 60.3129

Deuteranopia

36.9870, 36.1713, 64.0638



Tritanopia

31.0903, 36.3793, 50.1830

Trichromacy



Original Color

33.5578, 36.2694, 62.9896

Protanomaly

34.9087, 35.9446, 60.9752

Deuteranomaly

35.7380, 36.3166, 63.5187

Tritanomaly

32.0494, 36.4975, 54.6458

Monochromacy



Original Color

33.5578, 36.2694, 62.9896

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9695, 35.2711, 46.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5578, 36.2694, 62.9896 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(128, 166, 205)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 205)  
}
```

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(128, 166, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.5578, 36.2694, 62.9896 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(128, 166, 205) }
```


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

```
.border{ border-color:rgb(128, 166, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 205);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5578, 36.2694, 62.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 205) }
```

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

```
.background{ background-color: rgb(128,  
166, 205) }
```

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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