

Converting Colors

XYZ(33.4325, 36.2427, 58.6601)

Have a look what the booklet for
XYZ(33.4325, 36.2427, 58.6601)
contains.

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Color

**XYZ(33.5021, 36.3362,
58.6739)**

Conversions

Conversions Part 1

Format	Color
Hex	85A6C6
RGB	133, 166, 198
RGB Percent	52%, 65%, 78%
CMY	0.4784, 0.3490, 0.2235
CMYK	0.33, 0.16, 0.00, 0.22
HSL	210°, 36%, 65%
HSV	210°, 33%, 78%
XYZ	33.5021, 36.3362, 58.6739
YIQ	159.7810, -29.9400, 2.9560

Conversions

Conversions Part 2

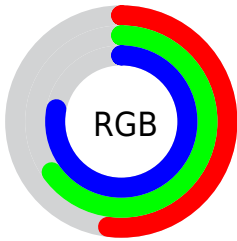
Format	Color
R_{YB}	133, 155, 198
Decimal	8758982
CIE _{Lab}	66.78, -3.60, -20.03
CIE _{LCh}	67, 20.355, 259.818
Yxy	36.3362, 0.2607, 0.2827
Android (android.graphics.Color)	4286949062 (0xFF85A6C6)
YUV	159.7810, 18.8420, -23.4869
Hunter-Lab	60.2795, -6.2826, -15.5151

Details

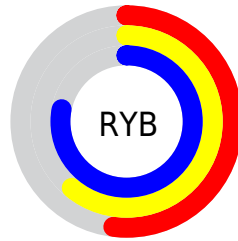
The XYZ color **33.5021, 36.3362, 58.6739** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9780, 40.6099, 27.8700**, and the grayscale version is **33.2396, 34.9707, 38.0831**.

A 20% lighter version of the original color is **64.6455, 69.6243, 104.6394**, and **14.4447, 15.7976, 28.6735** is the 20% darker color. If you saturate the color by 10%, you get **28.9608, 31.4643, 57.9735**, and if you desaturate by 10%, it is **38.7693, 41.7833, 59.4483**.

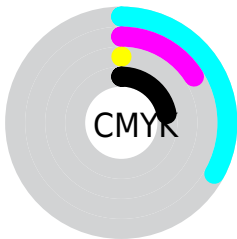
Distribution



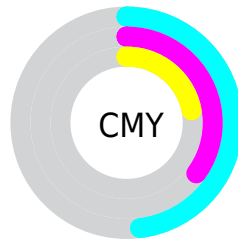
- Red (52%)
- Green (65%)
- Blue (78%)



- Red (52%)
- Yellow (61%)
- Blue (78%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5021, 36.3362, 58.6739 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 33.5021, 36.3362, 58.6739 by changing the saturation by 10% instead.

■ 33.5021, 36.3362,
58.6739

■ 33.5021, 36.3362,
58.6739

309.5313,
330.4276, 437.3606

■ 22.6724, 24.6940,
41.9324

■ 64.5081, 69.5507,
104.4280

■ 14.4712, 15.8492,
28.7232

■ 85.4151, 91.8917,
134.2777

■ 8.5330, 9.4175,
18.6277

■ 110.4120,
118.5678, 169.3339

■ 4.4925, 5.0145,
11.2275

139.8641,
149.9633, 210.0150

■ 1.9844, 2.2558,
6.1040

174.1367,
186.4626, 256.7397

■ 0.6252, 0.7501,
2.8386

213.5952,

■ 0.0000, 0.0000,

228.4502, 309.9265

1.0128

258.6049,
276.3104, 369.9940

■ 0.0000, 0.0000,
0.0000

■ 33.5021, 36.3362,
58.6739

■ 33.5021, 36.3362,
58.6739

■ 28.9608, 31.4643,
57.9735

■ 38.7693, 41.7833,
59.4483

■ 25.1057, 27.1404,
57.3421

■ 44.7924, 47.8229,
60.2966

■ 21.8984, 23.3409,
56.7778

■ 51.6037, 54.4766,
61.2219

■ 19.2951, 20.0384,
56.2775

■ 59.2327, 61.7636,
62.2264

■ 17.2453, 17.2022,
55.8381

■ 67.7072, 69.7021,
63.3120

■ 15.6894, 14.7962,
55.4557

■ 77.0536, 78.3096,
64.4808

■ 14.8011, 13.2932,
55.2124

■ 80.9228, 84.3165,
65.4363

■ 83.7784, 90.0277,
66.3882

■ 86.7891, 96.0491,
67.3917

Harmonies

Analogous

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



30.8614, 36.3362, 53.9575



33.5021, 36.3362, 58.6739



36.5795, 36.3362, 57.7219

Triad

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



33.5021, 36.3362, 58.6739



40.4010, 36.3362, 34.0977



30.2146, 36.3362, 29.6159

Complementary

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



33.5021, 36.3362, 58.6739



40.9780, 40.6099, 27.8700

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.



32.5710, 36.3362, 25.6796



33.5021, 36.3362, 58.6739



38.4923, 36.3362, 27.9889

Square

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



33.5021, 36.3362, 58.6739



40.6870, 36.3362, 42.6325



35.5919, 36.3362, 25.1318



29.0393, 36.3362, 36.6463

Rectangle

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



33.5021, 36.3362, 58.6739



38.4615, 36.3362, 54.0425



35.5919, 36.3362, 25.1318



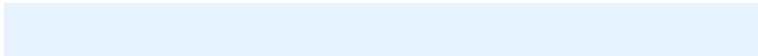
30.8880, 36.3362, 27.9341

Sweetspot

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



33.5033, 36.3376, 58.6747



82.4081, 87.7309, 107.1981



36.6063, 48.0709, 42.6697



17.2836, 18.4285, 22.8961



0.0000, 0.0000, 0.0000



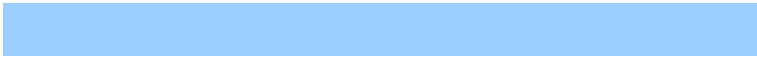
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5033, 36.3376, 58.6747



53.7548, 58.4060, 103.0480



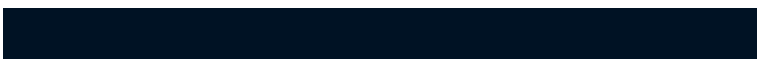
28.4034, 26.1380, 56.9748



10.4943, 11.1627, 13.5190



9.7113, 8.8164, 35.9343



0.5322, 0.5622, 1.7256

Inverse Universe

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



38.5601, 31.5350, 40.1325



64.1988, 49.3445, 64.5601



47.4704, 53.5946, 30.0341



10.8548, 10.7253, 12.2186



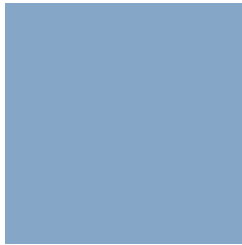
16.7011, 8.4300, 8.9020



0.8273, 0.4138, 0.6139

Previews

White Background



This preview shows how the XYZ color 33.5021, 36.3362, 58.6739 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 33.5021, 36.3362, 58.6739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

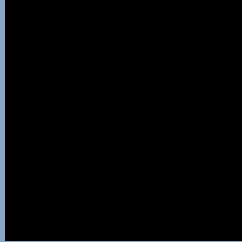
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

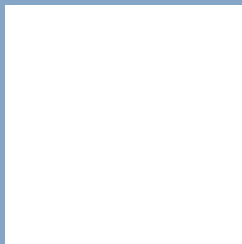
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5021, 36.3362, 58.6739

Background



This preview shows how black text looks on a background with the XYZ color 33.5021, 36.3362, 58.6739.

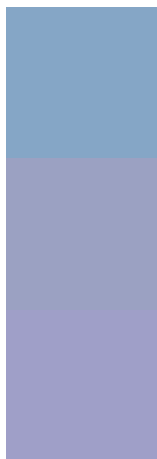


This preview shows how white text looks on a background with the XYZ color 33.5021, 36.3362,

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

33.5021, 36.3362, 58.6739

Protanopia

36.0000, 36.3533, 56.1584

Deuteranopia

37.1215, 36.3373, 59.7009



Tritanopia

31.6847, 36.4205, 49.6159

Trichromacy



Original Color

33.5021, 36.3362, 58.6739

Protanomaly

34.9801, 36.3376, 56.8000

Deuteranomaly

35.8068, 36.4482, 59.1808

Tritanomaly

32.2857, 36.3819, 52.8977

Monochromacy



Original Color

33.5021, 36.3362, 58.6739

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1380, 35.3807, 45.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5021, 36.3362, 58.6739 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(133, 166, 198)` looks like.

```
.text, #text, p{  
    color:rgb(133, 166, 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(133, 166, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 166, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.5021, 36.3362, 58.6739 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(133, 166, 198) }
```


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

```
.border{ border-color:rgb(133, 166, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 166, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 166, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 166, 198); box-shadow:4px 4px 4px 4px rgb(133, 166, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5021, 36.3362, 58.6739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 166, 198) }
```

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

```
.background{ background-color: rgb(133,  
166, 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](#).

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