

Converting Colors

XYZ(33.4177, 35.2550, 60.0177)

Have a look what the booklet for
XYZ(33.4177, 35.2550, 60.0177)
contains.

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Color

**XYZ(33.4546, 35.2086,
60.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	87A2C9
RGB	135, 162, 201
RGB Percent	53%, 64%, 79%
CMY	0.4706, 0.3647, 0.2118
CMYK	0.33, 0.19, 0.00, 0.21
HSL	215°, 38%, 66%
HSV	215°, 33%, 79%
XYZ	33.4546, 35.2086, 60.2910
YIQ	158.3730, -28.6110, 6.4050

Conversions

Conversions Part 2

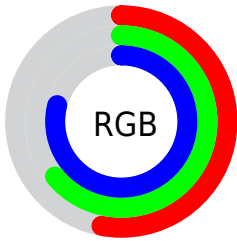
Format	Color
R_{YB}	135, 154, 201
Decimal	8889033
CIE _{Lab}	65.91, -0.04, -23.01
CIE _{LCh}	66, 23.008, 269.911
Yxy	35.2086, 0.2594, 0.2730
Android (android.graphics.Color)	4287079113 (0xFF87A2C9)
YUV	158.3730, 21.0151, -20.4981
Hunter-Lab	59.3368, -3.1997, -18.7076

Details

The XYZ color **33.4546, 35.2086, 60.2910** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.5972, 44.4394, 29.2026**, and the grayscale version is **32.5864, 34.2835, 37.3347**.

A 20% lighter version of the original color is **64.0981, 67.7929, 104.3147**, and **14.5182, 15.3145, 29.7946** is the 20% darker color. If you saturate the color by 10%, you get **28.5267, 29.7083, 59.4897**, and if you desaturate by 10%, it is **39.1930, 41.4216, 61.1884**.

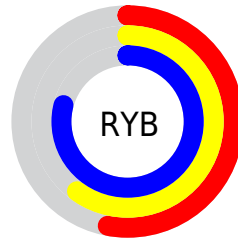
Distribution



Red (53%)

Green (64%)

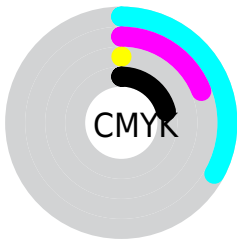
Blue (79%)



Red (53%)

Yellow (60%)

Blue (79%)

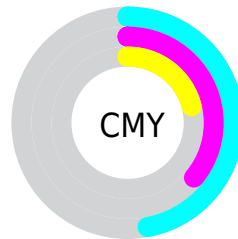


Cyan (33%)

Magenta (19%)

Yellow (0%)

Black (21%)



Cyan (47%)

Magenta (36%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4546, 35.2086, 60.2910 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 33.4546, 35.2086, 60.2910 by changing the saturation by 10% instead.

■ 33.4546, 35.2086,
60.2910

■ 33.4546, 35.2086,
60.2910

309.3221,
325.4881, 443.5039

■ 22.6358, 23.8236,
43.2264

■ 64.4346, 67.8088,
106.7992

■ 14.4440, 15.2028,
29.7301

■ 85.3265, 89.7928,
137.0799

■ 8.5139, 8.9619,
19.3835

■ 110.3068,
116.0786, 172.6030

■ 4.4801, 4.7163,
11.7681

139.7409,
147.0505, 213.7870

■ 1.9771, 2.0818,
6.4654

173.9941,
183.0931, 261.0506

■ 0.6211, 0.6544,
3.0567

213.4318,

■ 0.0000, 0.0000,

224.5906, 314.8123

1.1237

258.4194,
271.9275, 375.4905

■ 0.0000, 0.0000,
0.0000

■ 33.4546, 35.2086,
60.2910

■ 33.4546, 35.2086,
60.2910

■ 28.5267, 29.7083,
59.4897

■ 39.1930, 41.4216,
61.1884

■ 24.3658, 24.8879,
58.7786

■ 45.7753, 48.3701,
62.1827

■ 20.9297, 20.7180,
58.1548

■ 53.2374, 56.0807,
63.2777

■ 18.1699, 17.1647,
57.6144

■ 61.6117, 64.5774,
64.4763

■ 16.0314, 14.1905,
57.1530

■ 70.9292, 73.8832,
65.7814

■ 14.4491, 11.7517,
56.7657

■ 80.9968, 83.9052,
67.1852

■ 13.5775, 10.2865,
56.5288

■ 84.4782, 90.8680,
68.3457

■ 87.5427, 96.9971,
69.3672

Harmonies

Analogous

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



30.2908, 35.2086, 56.9407



33.4546, 35.2086, 60.2910



36.8343, 35.2086, 56.9784

Triad

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



33.4546, 35.2086, 60.2910



39.4619, 35.2086, 29.7315



28.1172, 35.2086, 29.6891

Complementary

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



33.4546, 35.2086, 60.2910



43.5972, 44.4394, 29.2026

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.



30.3072, 35.2086, 24.2808



33.4546, 35.2086, 60.2910



36.8529, 35.2086, 24.3022

Square

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



33.4546, 35.2086, 60.2910



40.4426, 35.2086, 38.3652



33.4748, 35.2086, 22.4863



27.3395, 35.2086, 38.3072

Rectangle

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



33.4546, 35.2086, 60.2910



38.7236, 35.2086, 51.7122



33.4748, 35.2086, 22.4863



28.7049, 35.2086, 27.4919

Sweetspot

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



33.4557, 35.2100, 60.2918



81.6630, 86.2407, 106.9498



38.4705, 49.9615, 47.4061



17.1037, 18.0686, 22.8361



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.



33.4557, 35.2100, 60.2918



51.4665, 53.8294, 102.2853



30.1072, 27.1651, 58.9155



10.4071, 10.9882, 13.4899



8.6221, 6.6381, 35.5712



0.4792, 0.4561, 1.7079

Inverse Universe

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



39.2739, 32.3551, 38.3591



63.0437, 48.8824, 58.4778



47.8956, 55.1920, 31.0515



10.8107, 10.7077, 11.9866



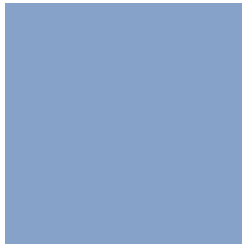
16.1514, 8.2101, 6.0069



0.8006, 0.4031, 0.4729

Previews

White Background



This preview shows how the XYZ color 33.4546, 35.2086, 60.2910 looks on a white background.

Color Contrast Check

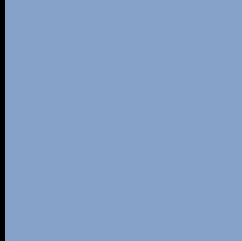
Large Text (above 18pt) WCAG AA × Fail

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 33.4546, 35.2086, 60.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

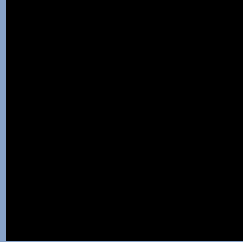
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4546, 35.2086, 60.2910

Background



This preview shows how black text looks on a background with the XYZ color 33.4546, 35.2086, 60.2910.

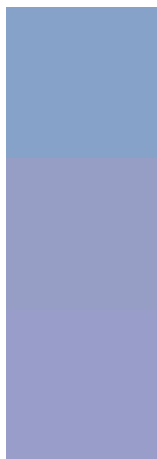


This preview shows how white text looks on a background with the XYZ color 33.4546, 35.2086,

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

33.4546, 35.2086, 60.2910

Protanopia

34.9976, 35.0150, 58.3401

Deuteranopia

35.8545, 35.1505, 60.7721



Tritanopia

30.9788, 35.2729, 47.8234

Trichromacy



Original Color

33.4546, 35.2086, 60.2910

Protanomaly

34.3840, 34.9395, 58.9646

Deuteranomaly

34.9129, 35.1715, 60.8258

Tritanomaly

31.9405, 35.4037, 52.1639

Monochromacy



Original Color

33.4546, 35.2086, 60.2910

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6158, 34.3363, 44.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4546, 35.2086, 60.2910 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(135, 162, 201)` looks like.

```
.text, #text, p{  
    color:rgb(135, 162, 201)  
}
```

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(135, 162, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 162, 201) }
```

Border

The CSS property to change the border of an element to XYZ 33.4546, 35.2086, 60.2910 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(135, 162, 201) }
```


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

```
.border{ border-color:rgb(135, 162, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 162, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 162, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 162, 201);  
box-shadow:4px 4px 4px 4px rgb(135, 162,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4546, 35.2086, 60.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 162, 201) }
```

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

```
.background{ background-color: rgb(135,  
162, 201) }
```

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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