

Converting Colors

XYZ(30.2999, 33.1850, 60.3447)

Have a look what the booklet for
XYZ(30.2999, 33.1850, 60.3447)
contains.

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Color

**XYZ(30.1837, 33.0035,
60.0378)**

Conversions

Conversions Part 1

Format	Color
Hex	73A0C9
RGB	115, 160, 201
RGB Percent	45%, 63%, 79%
CMY	0.5490, 0.3725, 0.2118
CMYK	0.43, 0.20, 0.00, 0.21
HSL	209°, 44%, 62%
HSV	209°, 43%, 79%
XYZ	30.1837, 33.0035, 60.0378
YIQ	151.2190, -39.9810, 3.2110

Conversions

Conversions Part 2

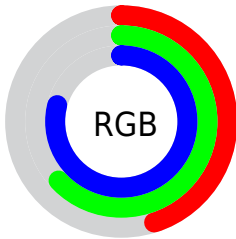
Format	Color
R_{YB}	115, 145, 201
Decimal	7577801
CIE _{Lab}	64.16, -4.41, -25.79
CIE _{LCh}	64, 26.163, 260.302
Yxy	33.0035, 0.2449, 0.2678
Android (android.graphics.Color)	4285767881 (0xFF73A0C9)
YUV	151.2190, 24.5420, -31.7641
Hunter-Lab	57.4487, -6.7508, -21.7480

Details

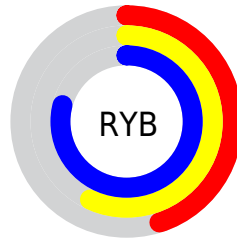
The XYZ color **30.1837, 33.0035, 60.0378** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.0713, 37.4333, 21.3870**, and the grayscale version is **29.4206, 30.9527, 33.7075**.

A 20% lighter version of the original color is **58.9280, 64.3669, 103.9260**, and **12.6596, 14.0360, 29.6457** is the 20% darker color. If you saturate the color by 10%, you get **26.2256, 28.5919, 59.3955**, and if you desaturate by 10%, it is **34.8483, 37.9708, 60.7513**.

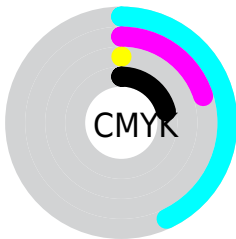
Distribution



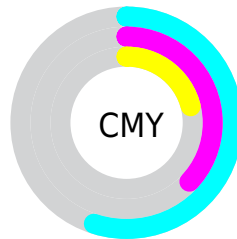
- Red (45%)
- Green (63%)
- Blue (79%)



- Red (45%)
- Yellow (57%)
- Blue (79%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (37%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1837, 33.0035, 60.0378 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 30.1837, 33.0035, 60.0378 by changing the saturation by 10% instead.

■ 30.1837, 33.0035,
60.0378

■ 30.1837, 33.0035,
60.0378

294.6543,
315.6655, 442.5456

■ 20.1268, 22.1291,
43.0236

■ 59.3372, 64.3810,
106.4284

■ 12.5961, 13.9518,
29.5721

■ 79.1645, 85.6529,
136.6419

■ 7.2261, 8.0872,
19.2647

■ 102.9794,
111.1594, 172.0922

■ 3.6515, 4.1508,
11.6830

131.1472,
141.2850, 213.1980

■ 1.5069, 1.7583,
6.4083

164.0332,
176.4140, 260.3776

■ 0.3305, 0.4610,
3.0221

202.0028,

■ 0.0000, 0.0000,

216.9308, 314.0498

1.1059

245.4214,
263.2199, 374.6329

■ 0.0000, 0.0000,
0.0000

■ 30.1837, 33.0035,
60.0378

■ 30.1837, 33.0035,
60.0378

■ 26.2256, 28.5919,
59.3955

■ 34.8483, 37.9708,
60.7513

■ 22.9300, 24.7069,
58.8193

■ 40.2533, 43.5134,
61.5363

■ 20.2527, 21.3221,
58.3071

■ 46.4343, 49.6542,
62.3958

■ 18.1419, 18.4063,
57.8555

■ 53.4234, 56.4137,
63.3322

■ 16.5358, 15.9227,
57.4608

■ 61.2508, 63.8113,
64.3475

■ 15.6122, 14.3560,
57.2071

■ 69.9452, 71.8653,
65.4438

■ 79.2739, 80.4594,
66.6110

■ 81.9695, 85.8507,
67.5095

■ 84.8133, 91.5383,
68.4575

Harmonies

Analogous

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



27.0339, 33.0035, 54.0350



30.1837, 33.0035, 60.0378



33.9067, 33.0035, 58.6739

Triad

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



30.1837, 33.0035, 60.0378



38.5377, 33.0035, 29.3094



26.1994, 33.0035, 24.4127

Complementary

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



30.1837, 33.0035, 60.0378



39.0713, 37.4333, 21.3870

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.



28.9609, 33.0035, 19.9925



30.1837, 33.0035, 60.0378



36.1440, 33.0035, 22.4093

Square

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



30.1837, 33.0035, 60.0378



38.9299, 33.0035, 39.4838



32.5846, 33.0035, 19.3395



24.8562, 33.0035, 32.6059

Rectangle

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



30.1837, 33.0035, 60.0378



36.2072, 33.0035, 53.8539



32.5846, 33.0035, 19.3395



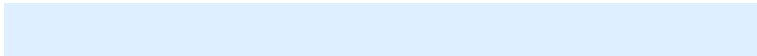
26.9819, 33.0035, 22.5103

Sweetspot

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



30.1848, 33.0048, 60.0386



79.0522, 84.5737, 106.7656



33.8855, 47.7900, 38.5087



16.3908, 17.5812, 22.7796



0.0000, 0.0000, 0.0000



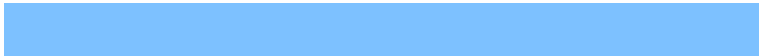
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1848, 33.0048, 60.0386



45.5700, 49.7160, 101.8021



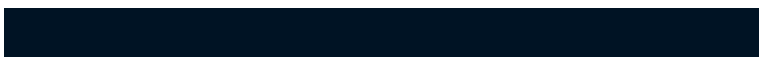
24.0768, 20.7887, 58.0026



10.5082, 11.1905, 13.5236



9.9085, 9.2110, 36.0000



0.5414, 0.5805, 1.7287

Inverse Universe

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



36.5643, 27.2182, 36.5854



58.1929, 39.7648, 55.0601



47.4072, 54.1052, 24.1657



10.8618, 10.7281, 12.2555



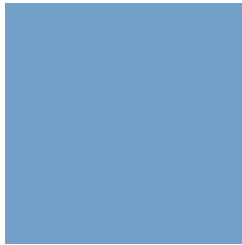
16.8007, 8.4698, 9.4263



0.8320, 0.4156, 0.6383

Previews

White Background



This preview shows how the XYZ color 30.1837, 33.0035, 60.0378 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 30.1837, 33.0035, 60.0378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

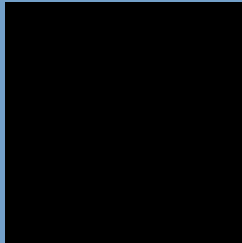
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1837, 33.0035, 60.0378

Background



This preview shows how black text looks on a background with the XYZ color 30.1837, 33.0035, 60.0378.

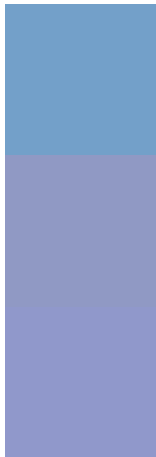


This preview shows how white text looks on a background with the XYZ color 30.1837, 33.0035,

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

30.1837, 33.0035, 60.0378

Protanopia

32.8566, 32.6973, 56.8040

Deuteranopia

33.5093, 32.6976, 61.0450



Tritanopia

27.3956, 32.9134, 46.5040

Trichromacy



Original Color

30.1837, 33.0035, 60.0378

Protanomaly

31.7544, 32.8407, 58.0913

Deuteranomaly

32.0549, 32.6935, 60.4981

Tritanomaly

28.5157, 33.1191, 51.3441

Monochromacy



Original Color

30.1837, 33.0035, 60.0378

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1983, 31.3790, 42.0540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1837, 33.0035, 60.0378 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(115, 160, 201)` looks like.

```
.text, #text, p{  
    color:rgb(115, 160, 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(115, 160, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 160, 201) }
```

Border

The CSS property to change the border of an element to XYZ 30.1837, 33.0035, 60.0378 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(115, 160, 201) }
```


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

```
.border{ border-color:rgb(115, 160, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 160, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 160, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 160, 201);  
box-shadow:4px 4px 4px 4px rgb(115, 160,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1837, 33.0035, 60.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 160, 201) }
```

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

```
.background{ background-color: rgb(115,  
160, 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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