

Converting Colors

XYZ(31.0006, 33.6309, 50.7565)

Have a look what the booklet for
XYZ(31.0006, 33.6309, 50.7565)
contains.

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Color

**XYZ(31.0006, 33.6309,
50.7565)**

Conversions

Conversions Part 1

Format	Color
Hex	85A0B9
RGB	133, 160, 185
RGB Percent	52%, 63%, 73%
CMY	0.4784, 0.3725, 0.2745
CMYK	0.28, 0.14, 0.00, 0.27
HSL	209°, 27%, 62%
HSV	209°, 28%, 73%
XYZ	31.0006, 33.6309, 50.7565
YIQ	154.7770, -24.1170, 2.0510

Conversions

Conversions Part 2

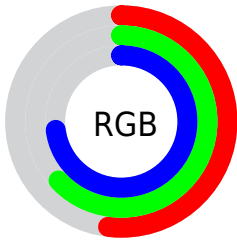
Format	Color
R_{YB}	133, 151, 185
Decimal	8757433
CIE _{Lab}	64.67, -3.53, -15.99
CIE _{LCh}	65, 16.377, 257.541
Yxy	33.6309, 0.2687, 0.2915
Android (android.graphics.Color)	4286947513 (0xFF85A0B9)
YUV	154.7770, 14.8999, -19.0984
Hunter-Lab	57.9922, -6.0663, -11.2979

Details

The XYZ color **31.0006, 33.6309, 50.7565** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.4686, 36.4618, 27.3069**, and the grayscale version is **31.0019, 32.6164, 35.5192**.

A 20% lighter version of the original color is **60.6711, 65.5165, 92.6673**, and **13.1132, 14.3971, 23.9176** is the 20% darker color. If you saturate the color by 10%, you get **26.8462, 29.2824, 50.1367**, and if you desaturate by 10%, it is **35.7818, 38.4679, 51.4387**.

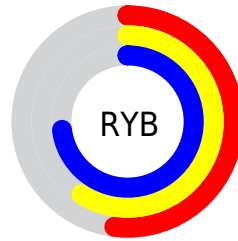
Distribution



Red (52%)

Green (63%)

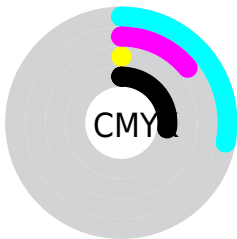
Blue (73%)



Red (52%)

Yellow (59%)

Blue (73%)

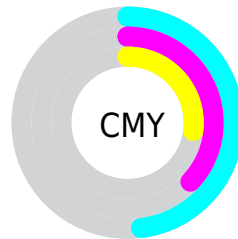


Cyan (28%)

Magenta (14%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (37%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0006, 33.6309, 50.7565 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 31.0006, 33.6309, 50.7565 by changing the saturation by 10% instead.

■ 31.0006, 33.6309,
50.7565

■ 31.0006, 33.6309,
50.7565

298.3679,
318.4831, 406.4365

■ 20.7511, 22.6102,
35.6395

■ 60.6169, 65.3593,
92.7026

■ 13.0536, 14.3059,
23.8684

■ 80.7143, 86.8357,
120.3687

■ 7.5427, 8.3338,
15.0247

■ 104.8252,
112.5662, 153.0549

■ 3.8531, 4.3092,
8.6899

133.3149,
142.9352, 191.1797

■ 1.6194, 1.8480,
4.4455

166.5486,
178.3269, 235.1618

■ 0.4050, 0.5168,
1.8728

204.8918,

■ 0.0000, 0.0000,

219.1259, 285.4196

0.4753

248.7098,
265.7165, 342.3716

■ 0.0000, 0.0000,
0.0000

■ 31.0006, 33.6309,
50.7565

■ 31.0006, 33.6309,
50.7565

■ 26.8462, 29.2824,
50.1367

■ 35.7818, 38.4679,
51.4387

■ 23.2863, 25.3999,
49.5749

■ 41.2140, 43.8067,
52.1829

■ 20.2900, 21.9649,
49.0698

■ 47.3236, 49.6650,
52.9917

■ 17.8222, 18.9555,
48.6190

■ 54.1349, 56.0585,
53.8667

■ 15.8436, 16.3477,
48.2199

■ 61.6707, 63.0018,
54.8097

■ 14.3083, 14.1140,
47.8697

■ 69.9527, 70.5092,
55.8223

■ 13.1449, 12.2134,
47.5642

■ 76.1874, 77.1434,
56.7742

■ 12.9457, 11.8801,
47.5103

■ 78.6159, 82.0006,
57.5837

■ 81.1710, 87.1108,
58.4354

Harmonies

Analogous

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



29.0121, 33.6309, 47.0142



31.0006, 33.6309, 50.7565



33.3458, 33.6309, 50.3884

Triad

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



31.0006, 33.6309, 50.7565



36.4680, 33.6309, 32.8567



28.7475, 33.6309, 28.5620

Complementary

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



31.0006, 33.6309, 50.7565



36.4686, 36.4618, 27.3069

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.



30.6232, 33.6309, 25.6177



31.0006, 33.6309, 50.7565



35.1121, 33.6309, 27.8804

Square

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



31.0006, 33.6309, 50.7565



36.5812, 33.6309, 39.4805



32.9495, 33.6309, 25.3845



27.7547, 33.6309, 33.8979

Rectangle

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



31.0006, 33.6309, 50.7565



34.7969, 33.6309, 47.8621



32.9495, 33.6309, 25.3845



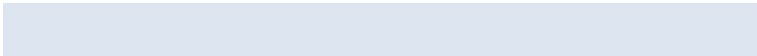
29.2914, 33.6309, 27.2897

Sweetspot

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



31.0016, 33.6322, 50.7573



73.7886, 78.4329, 93.4546



33.1312, 42.1286, 38.4040



15.5763, 16.5867, 20.1022



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.0016, 33.6322, 50.7573



50.5990, 55.1131, 90.1757



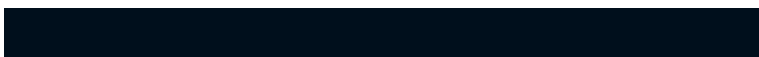
27.0574, 25.7438, 49.4425



8.8965, 9.4702, 11.4385



8.8881, 8.2359, 32.3743



0.3749, 0.4136, 1.1618

Inverse Universe

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



34.7411, 29.6283, 37.1469



58.5810, 47.1900, 60.9841



41.2304, 45.9855, 28.8941



9.1941, 9.0880, 10.3695



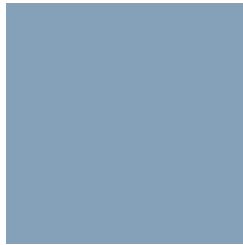
15.1000, 7.6138, 8.4133



0.5634, 0.2808, 0.4604

Previews

White Background



This preview shows how the XYZ color 31.0006, 33.6309, 50.7565 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 31.0006, 33.6309, 50.7565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

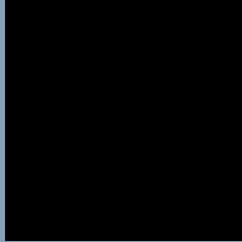
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

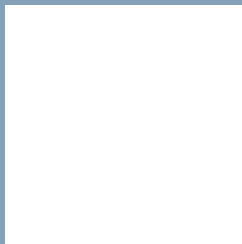
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0006, 33.6309, 50.7565

Background



This preview shows how black text looks on a background with the XYZ color 31.0006, 33.6309, 50.7565.



This preview shows how white text looks on a background with the XYZ color 31.0006, 33.6309,

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

31.0006, 33.6309, 50.7565

Protanopia

33.1137, 33.4955, 48.9760

Deuteranopia

34.1588, 33.4957, 51.1193



Tritanopia

30.0183, 33.7611, 45.4919

Trichromacy



Original Color

31.0006, 33.6309, 50.7565

Protanomaly

32.2813, 33.5526, 49.5746

Deuteranomaly

32.9641, 33.6180, 51.2059

Tritanomaly

30.3973, 33.6499, 47.5408

Monochromacy



Original Color

31.0006, 33.6309, 50.7565

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9725, 33.0702, 40.8271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0006, 33.6309, 50.7565 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, 160, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 160, 185)  
}
```

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, 160, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 160, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.0006, 33.6309, 50.7565 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, 160, 185) }
```


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

```
.border{ border-color:rgb(133, 160, 185) }
```

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

Here you see how a box with a 4 pixel rgb(133, 160, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 160, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 160, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 160,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0006, 33.6309, 50.7565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 160, 185) }
```

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

```
.background{ background-color: rgb(133,  
160, 185) }
```

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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