

Converting Colors

XYZ(31.1867, 33.7793, 62.0031)

Have a look what the booklet for
XYZ(31.1867, 33.7793, 62.0031)
contains.

XYZ(31.1152, 33.7009, 61.9917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1152, 33.7009,
61.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	76A1CC
RGB	118, 161, 204
RGB Percent	46%, 63%, 80%
CMY	0.5372, 0.3686, 0.2000
CMYK	0.42, 0.21, 0.00, 0.20
HSL	210°, 46%, 63%
HSV	210°, 42%, 80%
XYZ	31.1152, 33.7009, 61.9917
YIQ	153.0450, -39.4310, 4.2570

Conversions

Conversions Part 2

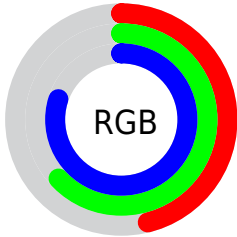
Format	Color
R _Y B	118, 147, 204
Decimal	7774668
CIE Lab	64.72, -3.35, -26.58
CIE LCh	65, 26.793, 262.816
Yxy	33.7009, 0.2454, 0.2658
Android (android.graphics.Color)	4285964748 (0xFF76A1CC)
YUV	153.0450, 25.1208, -30.7345
Hunter-Lab	58.0525, -5.9187, -22.6765

Details

The XYZ color **31.1152, 33.7009, 61.9917** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.9177, 39.6363, 22.6348**, and the grayscale version is **30.2052, 31.7783, 34.6065**.

A 20% lighter version of the original color is **59.8394, 65.2160, 104.0418**, and **13.1953, 14.4439, 30.9466** is the 20% darker color. If you saturate the color by 10%, you get **26.9284, 29.0041, 61.3064**, and if you desaturate by 10%, it is **36.0487, 38.9999, 62.7551**.

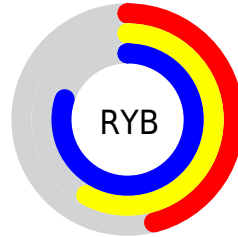
Distribution



Red (46%)

Green (63%)

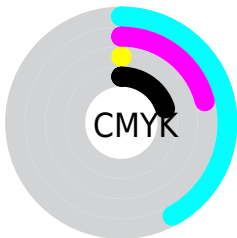
Blue (80%)



Red (46%)

Yellow (58%)

Blue (80%)

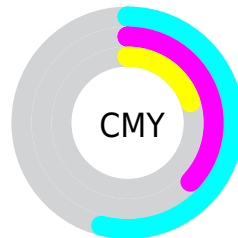


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (20%)



Cyan (54%)

Magenta (37%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1152, 33.7009, 61.9917 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 31.1152, 33.7009, 61.9917 by changing the saturation by 10% instead.

■ 31.1152, 33.7009,
61.9917

■ 31.1152, 33.7009,
61.9917

298.8861,
318.7963, 449.9076

■ 20.8388, 22.6639,
44.5902

■ 60.7960, 65.4683,
109.2850

■ 13.1180, 14.3455,
30.7942

■ 80.9312, 86.9675,
140.0140

■ 7.5874, 8.3614,
20.1850

■ 105.0833,
112.7228, 176.0225

■ 3.8817, 4.3271,
12.3442

133.6178,
143.1188, 217.7291

■ 1.6354, 1.8581,
6.8532

166.8999,
178.5397, 265.5524

■ 0.4153, 0.5230,
3.2934

205.2951,

■ 0.0000, 0.0000,

219.3700, 319.9109

1.2463

249.1687,
265.9941, 381.2231

■ 0.0000, 0.0000,
0.0172

■ 0.0000, 0.0000,
0.0000

■ 31.1152, 33.7009,
61.9917

■ 31.1152, 33.7009,
61.9917

■ 26.9284, 29.0041,
61.3064

■ 36.0487, 38.9999,
62.7551

■ 23.4426, 24.8787,
60.6938

■ 41.7644, 44.9224,
63.5970

■ 20.6117, 21.2963,
60.1516

■ 48.2994, 51.4928,
64.5208

■ 18.3818, 18.2237,
59.6760

■ 55.6874, 58.7332,
65.5289

■ 16.6891, 15.6222,
59.2631

■ 63.9600, 66.6645,
66.6238

■ 15.6506, 13.8625,
58.9782

■ 73.1472, 75.3063,
67.8076

■ 81.1094, 83.5600,
68.9811

■ 84.0711, 89.4835,
69.9684

■ 87.2023, 95.7459,
71.0121

Harmonies

Analogous

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



27.7644, 33.7009, 56.3000



31.1152, 33.7009, 61.9917



34.9876, 33.7009, 59.8996

Triad

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



31.1152, 33.7009, 61.9917



39.3479, 33.7009, 29.0751



26.4907, 33.7009, 25.3190

Complementary

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



31.1152, 33.7009, 61.9917



40.9177, 39.6363, 22.6348

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.



29.2471, 33.7009, 20.4219



31.1152, 33.7009, 61.9917



36.7152, 33.7009, 22.2680

Square

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



31.1152, 33.7009, 61.9917



39.9484, 33.7009, 39.4091



32.9660, 33.7009, 19.4291



25.2367, 33.7009, 34.1076

Rectangle

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



31.1152, 33.7009, 61.9917



37.3286, 33.7009, 54.5383



32.9660, 33.7009, 19.4291



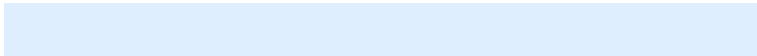
27.2612, 33.7009, 23.2412

Sweetspot

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



31.1163, 33.7022, 61.9925



78.8267, 84.1228, 106.6904



35.4981, 49.6113, 41.4244



16.3352, 17.4700, 22.7610



0.0000, 0.0000, 0.0000



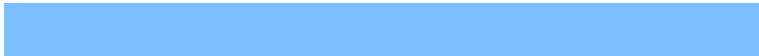
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1163, 33.7022, 61.9925



44.9082, 48.3923, 101.5815



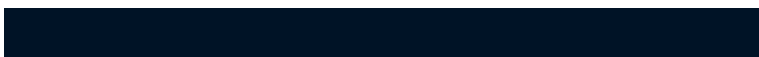
24.8499, 21.1694, 59.9037



11.0574, 11.7553, 14.2566



9.9437, 8.9114, 37.1523



0.5889, 0.6115, 1.9419

Inverse Universe

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



37.8143, 28.3687, 37.2021



57.8588, 39.6312, 53.3010



49.7655, 57.3318, 25.5841



11.4423, 11.3057, 12.8640



17.2300, 8.7026, 8.9300



0.9272, 0.4643, 0.6625

Previews

White Background



This preview shows how the XYZ color 31.1152, 33.7009, 61.9917 looks on a white background.

Color Contrast Check

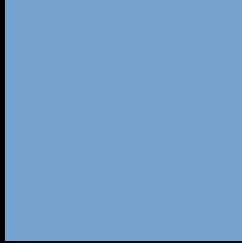
Large Text (above 18pt) WCAG AA × Fail

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 31.1152, 33.7009, 61.9917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

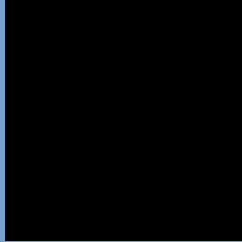
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1152, 33.7009, 61.9917

Background



This preview shows how black text looks on a background with the XYZ color 31.1152, 33.7009, 61.9917.



This preview shows how white text looks on a background with the XYZ color 31.1152, 33.7009,

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

31.1152, 33.7009, 61.9917

Protanopia

33.7072, 33.5860, 58.7390

Deuteranopia

34.3732, 33.5872, 63.0638



Tritanopia

28.1474, 33.5444, 47.6390

Trichromacy



Original Color

31.1152, 33.7009, 61.9917

Protanomaly

32.5913, 33.4819, 60.0032

Deuteranomaly

33.0681, 33.6726, 62.5142

Tritanomaly

29.2920, 33.7592, 52.5493

Monochromacy



Original Color

31.1152, 33.7009, 61.9917

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1501, 32.3309, 43.6811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1152, 33.7009, 61.9917 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(118, 161, 204)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 204)  
}
```

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(118, 161, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.1152, 33.7009, 61.9917 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(118, 161, 204) }
```


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

```
.border{ border-color:rgb(118, 161, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 161, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 161, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 161, 204);  
box-shadow:4px 4px 4px 4px rgb(118, 161,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1152, 33.7009, 61.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 204) }
```

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

```
.background{ background-color: rgb(118,  
161, 204) }
```

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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