

Converting Colors

XYZ(31.0544, 37.1320, 61.2999)

Have a look what the booklet for
XYZ(31.0544, 37.1320, 61.2999)
contains.

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Color

**XYZ(31.1636, 37.3031,
61.4348)**

Conversions

Conversions Part 1

Format	Color
Hex	65AECA
RGB	101, 174, 202
RGB Percent	40%, 68%, 79%
CMY	0.6039, 0.3176, 0.2078
CMYK	0.50, 0.14, 0.00, 0.21
HSL	197°, 49%, 59%
HSV	197°, 50%, 79%
XYZ	31.1636, 37.3031, 61.4348
YIQ	155.3650, -52.4960, -6.7680

Conversions

Conversions Part 2

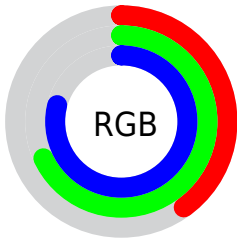
Format	Color
RYB	101, 143, 202
Decimal	6663882
CIELab	67.50, -15.15, -21.29
CIELCh	68, 26.134, 234.565
Yxy	37.3031, 0.2399, 0.2872
Android (android.graphics.Color)	4284853962 (0xFF65AECA)
YUV	155.3650, 22.9911, -47.6781
Hunter-Lab	61.0763, -15.8055, -16.8847

Details

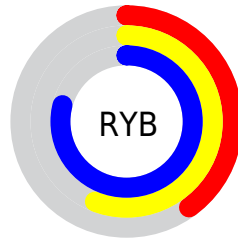
The XYZ color **31.1636, 37.3031, 61.4348** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **34.5573, 29.1978, 16.1276**, and the grayscale version is **31.2365, 32.8632, 35.7880**.

A 20% lighter version of the original color is **60.4474, 71.0827, 105.1422**, and **13.2193, 16.5286, 30.5106** is the 20% darker color. If you saturate the color by 10%, you get **28.1146, 34.1593, 60.9894**, and if you desaturate by 10%, it is **34.8159, 40.8264, 61.9231**.

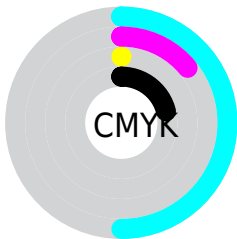
Distribution



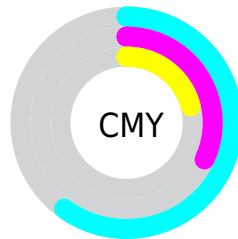
- Red (40%)
- Green (68%)
- Blue (79%)



- Red (40%)
- Yellow (56%)
- Blue (79%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)



- Cyan (60%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1636, 37.3031, 61.4348 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 31.1636, 37.3031, 61.4348 by changing the saturation by 10% instead.

■ 31.1636, 37.3031,
61.4348

■ 31.1636, 37.3031,
61.4348

299.1048,
334.6209, 447.8170

■ 20.8759, 25.4423,
44.1433

■ 60.8716, 71.0387,
108.4719

■ 13.1453, 16.4069,
30.4452

■ 81.0227, 93.6823,
139.0546

■ 7.6063, 9.8125,
19.9218

■ 105.1922,
120.6888, 174.9048

■ 3.8938, 5.2748,
12.1547

■ 133.7456,
152.4428, 216.4410

■ 1.6422, 2.4094,
6.7253

167.0482,
189.3286, 264.0818

■ 0.4197, 0.8307,
3.2151

205.4654,

■ 0.0000, 0.0000,

231.7307, 318.2457

1.2055

249.3624,
280.0333, 379.3513

■ 0.0000, 0.0000,
0.0000

■ 31.1636, 37.3031,
61.4348

■ 31.1636, 37.3031,
61.4348

■ 28.1146, 34.1593,
60.9894

■ 34.8159, 40.8264,
61.9231

■ 25.6233, 31.3684,
60.5820

■ 39.1057, 44.7454,
62.4534

■ 23.6430, 28.9063,
60.2111

■ 44.0688, 49.0800,
63.0285

■ 22.1174, 26.7431,
59.8740

■ 49.7371, 53.8474,
63.6499

■ 20.9402, 24.8231,
59.5654

■ 56.1405, 59.0638,
64.3193

■ 20.9400, 24.8227,
59.5654

■ 63.3071, 64.7444,
65.0380

■ 71.2633, 70.9037,
65.8076

■ 77.1807, 76.0841,
66.4956

■ 78.6646, 79.0519,
66.9902

Harmonies

Analogous

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



28.8850, 37.3031, 50.5231



31.1636, 37.3031, 61.4348



34.7289, 37.3031, 66.8542

Triad

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



31.1636, 37.3031, 61.4348



43.7130, 37.3031, 42.7481



32.3408, 37.3031, 23.6386

Complementary

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



31.1636, 37.3031, 61.4348



34.5573, 29.1978, 16.1276

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.



36.1921, 37.3031, 22.3371



31.1636, 37.3031, 61.4348



42.9536, 37.3031, 32.0981

Square

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



31.1636, 37.3031, 61.4348



42.1276, 37.3031, 54.8376



40.1244, 37.3031, 25.1293



29.5279, 37.3031, 29.0951

Rectangle

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



31.1636, 37.3031, 61.4348



37.4333, 37.3031, 66.0056



40.1244, 37.3031, 25.1293



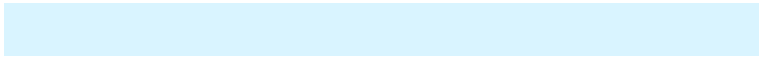
33.5486, 37.3031, 22.7500

Sweetspot

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



31.1648, 37.3045, 61.4357



79.0611, 86.8735, 107.2090



30.3803, 46.5654, 27.7873



16.4905, 18.2297, 22.8995



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.



31.1648, 37.3045, 61.4357



47.2195, 57.4248, 103.2031



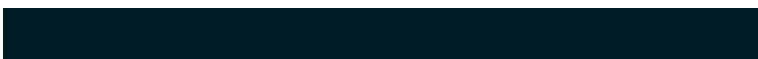
23.3076, 21.5901, 58.8166



11.2701, 12.1807, 14.3275



13.5525, 16.1290, 38.3552



0.7608, 0.9554, 1.9993

Inverse Universe

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



36.6518, 24.9212, 42.9243



57.9490, 35.5458, 66.4818



42.7138, 45.5107, 18.8464



11.5497, 11.3486, 13.4294



19.0516, 9.4312, 18.5222



1.0140, 0.4990, 1.1194

Previews

White Background



This preview shows how the XYZ color 31.1636, 37.3031, 61.4348 looks on a white background.

Color Contrast Check

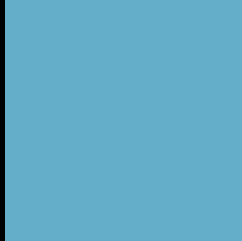
Large Text (above 18pt) WCAG AA × Fail

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 31.1636, 37.3031, 61.4348 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

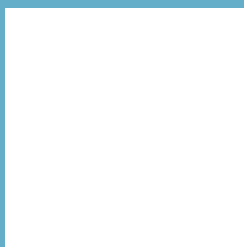
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1636, 37.3031, 61.4348

Background



This preview shows how black text looks on a background with the XYZ color 31.1636, 37.3031, 61.4348.



This preview shows how white text looks on a background with the XYZ color 31.1636, 37.3031,

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

31.1636, 37.3031, 61.4348

Protanopia

36.5626, 36.9038, 56.2350

Deuteranopia

37.6908, 36.8185, 62.8778



Tritanopia

29.7494, 37.3098, 54.3487

Trichromacy



Original Color

31.1636, 37.3031, 61.4348

Protanomaly

34.0308, 36.6220, 58.0985

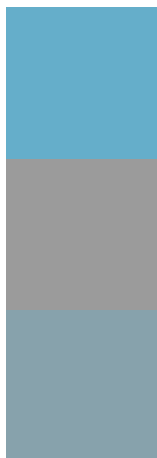
Deuteranomaly

34.6707, 36.5883, 62.3616

Tritanomaly

30.1046, 37.1517, 56.6232

Monochromacy



Original Color

31.1636, 37.3031, 61.4348

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.3584, 33.9701, 43.9866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1636, 37.3031, 61.4348 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(101, 174, 202)` looks like.

```
.text, #text, p{  
    color:rgb(101, 174, 202)  
}
```

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(101, 174, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 174, 202) }
```

Border

The CSS property to change the border of an element to XYZ 31.1636, 37.3031, 61.4348 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(101, 174, 202) }
```


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

```
.border{ border-color:rgb(101, 174, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 174, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 174, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 174, 202);  
box-shadow:4px 4px 4px 4px rgb(101, 174,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1636, 37.3031, 61.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 174, 202) }
```

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

```
.background{ background-color: rgb(101,  
174, 202) }
```

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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