

Converting Colors

XYZ(31.0456, 31.9173, 6.1980)

Have a look what the booklet for
XYZ(31.0456, 31.9173, 6.1980)
contains.

XYZ(31.0735, 31.9366, 6.1957)	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(31.0735, 31.9366,
6.1957)**

Conversions

Conversions Part 1

Format	Color
Hex	B99524
RGB	185, 149, 36
RGB Percent	73%, 58%, 14%
CMY	0.2745, 0.4157, 0.8588
CMYK	0.00, 0.19, 0.81, 0.27
HSL	46°, 67%, 43%
HSV	46°, 81%, 73%
XYZ	31.0735, 31.9366, 6.1957
YIQ	146.8820, 57.7290, -27.5110

Conversions

Conversions Part 2

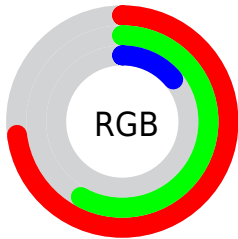
Format	Color
RYB	83, 185, 36
Decimal	12162340
CIELab	63.29, 2.68, 59.78
CIElCh	63, 59.842, 87.437
Yxy	31.9366, 0.4490, 0.4615
Android (android.graphics.Color)	4290352420 (0xFFB99524)
YUV	146.8820, -54.6648, 33.4295
Hunter-Lab	56.5125, -0.7482, 33.0585

Details

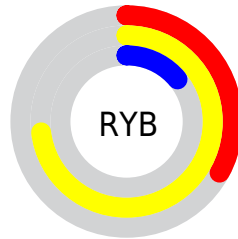
The XYZ color **31.0735, 31.9366, 6.1957** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.8019, 8.5125, 46.9197**, and the grayscale version is **27.8874, 29.3397, 31.9509**.

A 20% lighter version of the original color is **60.9005, 62.8797, 18.8247**, and **13.2142, 13.4357, 1.8969** is the 20% darker color. If you saturate the color by 10%, you get **30.1673, 30.4656, 4.8417**, and if you desaturate by 10%, it is **32.1543, 33.5234, 8.3284**.

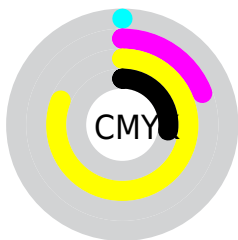
Distribution



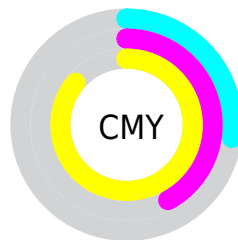
- Red (73%)
- Green (58%)
- Blue (14%)



- Red (33%)
- Yellow (73%)
- Blue (14%)



- Cyan (0%)
- Magenta (19%)
- Yellow (81%)
- Black (27%)



- Cyan (27%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0735, 31.9366, 6.1957 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 31.0735, 31.9366, 6.1957 by changing the saturation by 10% instead.

■ 31.0735, 31.9366,
6.1957

■ 31.0735, 31.9366,
6.1957

298.6976,
310.8303, 170.1715

■ 20.8069, 21.3131,
2.8937

■ 60.7308, 62.7117,
18.8204

■ 13.0946, 13.3530,
1.0406

■ 80.8523, 83.6320,
28.9802

■ 7.5712, 7.6721,
0.0000

■ 104.9894,
108.7535, 42.2630

■ 3.8713, 3.8859,
0.0000

■ 133.5076,
138.4603, 59.0874

■ 1.6296, 1.6099,
0.0000

■ 166.7721,
173.1371, 79.8719

■ 0.4116, 0.3643,
0.0000

■ 205.1484,

■ 0.0000, 0.0000,

213.1681, 105.0351

0.0000

249.0018,
258.9377, 134.9954

■ 31.0735, 31.9366,
6.1957

■ 31.0735, 31.9366,
6.1957

■ 30.1673, 30.4656,
4.8417

■ 32.1543, 33.5234,
8.3284

■ 29.4305, 29.1603,
4.0773

■ 33.4274, 35.2298,
11.3423

■ 34.9108, 37.0646,
15.3262

■ 36.6193, 39.0344,
20.3574

■ 38.5664, 41.1448,
26.5056

■ 40.7644, 43.4013,
33.8343

■ 43.2248, 45.8089,
42.4022

■ 45.9582, 48.3723,
52.2642

■ 48.9746, 51.0959,
63.4718

Harmonies

Analogous

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



39.7709, 31.9366, 8.7398



31.0735, 31.9366, 6.1957



23.5847, 31.9366, 7.9514

Triad

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



31.0735, 31.9366, 6.1957



18.2887, 31.9366, 60.3434



45.8736, 31.9366, 65.5971

Complementary

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



31.0735, 31.9366, 6.1957



11.8019, 8.5125, 46.9197

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.



38.3103, 31.9366, 93.0859



31.0735, 31.9366, 6.1957



22.5562, 31.9366, 89.2037

Square

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



31.0735, 31.9366, 6.1957



17.0498, 31.9366, 32.7709



29.6472, 31.9366, 103.2492



49.2323, 31.9366, 36.8561

Rectangle

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



31.0735, 31.9366, 6.1957



20.0604, 31.9366, 12.1286



29.6472, 31.9366, 103.2492



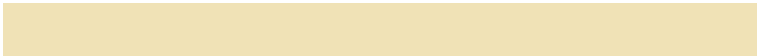
43.6782, 31.9366, 75.7093

Sweetspot

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



31.0742, 31.9382, 6.1963



71.4373, 76.1426, 55.2811



21.8495, 12.0607, 7.5238



15.1024, 16.1078, 10.9270



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.



31.0742, 31.9382, 6.1963



52.9159, 52.5748, 7.5655



29.8350, 41.0978, 8.0296



9.5614, 10.1258, 9.5574



20.0985, 19.9734, 2.7959



0.7535, 0.7940, 0.1135

Inverse Universe

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



11.8019, 8.5125, 46.9197



17.5712, 9.9149, 83.1923



12.1548, 6.1912, 46.4530



8.6926, 9.0624, 11.3705



6.6424, 3.7445, 31.6257



0.2838, 0.2312, 1.1314

Previews

White Background



This preview shows how the XYZ color 31.0735, 31.9366, 6.1957 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 31.0735, 31.9366, 6.1957 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 31.0735, 31.9366, 6.1957

Background



This preview shows how black text looks on a background with the XYZ color 31.0735, 31.9366, 6.1957.



This preview shows how white text looks on a background with the XYZ color 31.0735, 31.9366,

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

31.0735, 31.9366, 6.1957

Protanopia

28.9028, 32.0154, 6.4065

Deuteranopia

32.6211, 32.0352, 6.2978



Tritanopia

36.4759, 31.8737, 33.0839

Trichromacy



Original Color

31.0735, 31.9366, 6.1957

Protanomaly

29.6936, 31.9372, 6.3497

Deuteranomaly

32.0029, 31.9482, 6.2301

Tritanomaly

33.5690, 31.5679, 18.7919

Monochromacy



Original Color

31.0735, 31.9366, 6.1957

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.9417, 29.8184, 18.1928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0735, 31.9366, 6.1957 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(185, 149, 36)` looks like.

```
.text, #text, p{  
    color:rgb(185, 149, 36)  
}
```

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(185, 149, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 149, 36) }
```

Border

The CSS property to change the border of an element to XYZ 31.0735, 31.9366, 6.1957 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(185, 149, 36) }
```


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

```
.border{ border-color:rgb(185, 149, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 149, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 149, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 149, 36);  
box-shadow:4px 4px 4px 4px rgb(185, 149,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0735, 31.9366, 6.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 149, 36) }
```

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

```
.background{ background-color: rgb(185,  
149, 36) }
```

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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