

Converting Colors

XYZ(31.2109, 42.1300, 7.0612)

Have a look what the booklet for
XYZ(31.2109, 42.1300, 7.0612)
contains.

XYZ(31.1857, 42.1300, 7.0605)	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(31.1857, 42.1300,
7.0605)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBA12
RGB	155, 186, 18
RGB Percent	61%, 73%, 7%
CMY	0.3922, 0.2706, 0.9294
CMYK	0.17, 0.00, 0.90, 0.27
HSL	71°, 82%, 40%
HSV	71°, 90%, 73%
XYZ	31.1857, 42.1300, 7.0605
YIQ	157.5790, 35.4520, -58.8200

Conversions

Conversions Part 2

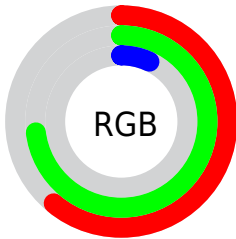
Format	Color
RYB	18, 186, 49
Decimal	10205714
CIELab	70.96, -29.97, 69.58
CIELCh	71, 75.761, 113.302
Yxy	42.1300, 0.3880, 0.5242
Android (android.graphics.Color)	4288395794 (0xFF9BBA12)
YUV	157.5790, -68.8124, -2.2618
Hunter-Lab	64.9076, -27.8257, 38.9859

Details

The XYZ color **31.1857, 42.1300, 7.0605** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.3474, 4.6318, 46.8054**, and the grayscale version is **32.6006, 34.2984, 37.3509**.

A 20% lighter version of the original color is **60.8324, 78.3063, 20.5027**, and **13.5331, 19.4277, 3.0367** is the 20% darker color. If you saturate the color by 10%, you get **30.4480, 41.7638, 6.4564**, and if you desaturate by 10%, it is **32.0736, 42.5639, 8.2438**.

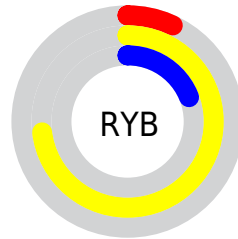
Distribution



Red (61%)

Green (73%)

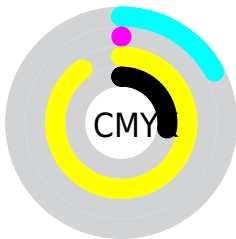
Blue (7%)



Red (7%)

Yellow (73%)

Blue (19%)

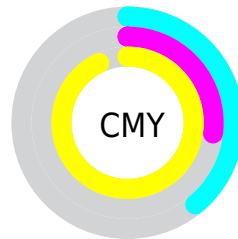


Cyan (17%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (39%)

Magenta (27%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1857, 42.1300, 7.0605 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 31.1857, 42.1300, 7.0605 by changing the saturation by 10% instead.

31.1857, 42.1300,
7.0605

31.1857, 42.1300,
7.0605

299.2046,
355.0216, 177.8154

20.8928, 29.2031,
3.4209

60.9062, 78.3963,
20.6098

13.1577, 19.2345,
1.3134

81.0645, 102.5046,
31.3565

7.6150, 11.8399,
0.0727

105.2420,
131.1087, 45.3095

3.8993, 6.6347,
0.0000

133.8040,
164.5931, 62.8871

1.6453, 3.2347,
0.0000

167.1159,
203.3422, 84.5080

0.4217, 1.2555,
0.0000

205.5431,

0.0000, 0.1063,

247.7404, 110.5906

0.0000

249.4508,
298.1720, 141.5536

■ 0.0000, 0.0000,
0.0000

■ 31.1857, 42.1300,
7.0605

■ 31.1857, 42.1300,
7.0605

■ 30.4480, 41.7638,
6.4564

■ 32.0736, 42.5639,
8.2438

■ 33.1276, 43.0649,
10.2077

■ 34.3688, 43.6429,
13.0583

■ 35.8144, 44.3050,
16.8846

■ 37.4793, 45.0569,
21.7648

■ 39.3769, 45.9043,
27.7691

■ 41.5196, 46.8519,
34.9617

■ 43.9189, 47.9044,
43.4020

■ 46.5853, 49.0661,
53.1454

Harmonies

Analogous

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



42.9424, 42.1300, 5.6704



31.1857, 42.1300, 7.0605



23.5595, 42.1300, 15.6021

Triad

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



31.1857, 42.1300, 7.0605



27.2153, 42.1300, 127.2690



69.3233, 42.1300, 54.4700

Complementary

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



31.1857, 42.1300, 7.0605



10.3474, 4.6318, 46.8054

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.



62.8372, 42.1300, 101.2395



31.1857, 42.1300, 7.0605



37.2777, 42.1300, 155.3947

Square

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



31.1857, 42.1300, 7.0605



21.6266, 42.1300, 79.2458



50.4369, 42.1300, 143.9633



66.7394, 42.1300, 23.4963

Rectangle

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



31.1857, 42.1300, 7.0605



20.9982, 42.1300, 28.6529



50.4369, 42.1300, 143.9633



68.0935, 42.1300, 68.8934

Sweetspot

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



31.1867, 42.1319, 7.0614



72.4371, 83.6738, 53.8455



21.4505, 12.6642, 1.8867



15.6718, 18.3021, 10.9373



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.1867, 42.1319, 7.0614



54.9943, 75.5966, 11.6931



20.2831, 36.5109, 6.5511



9.5833, 10.4173, 9.6126



20.5419, 28.1261, 4.3462



0.7669, 1.0135, 0.1552

Inverse Universe

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



10.3474, 4.6318, 46.8054



17.1340, 6.9772, 84.6451



18.7223, 8.9492, 47.1974



8.6716, 8.7971, 11.3204



6.4612, 2.6421, 31.4225



0.2750, 0.1175, 1.1099

Previews

White Background



This preview shows how the XYZ color 31.1857, 42.1300, 7.0605 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 31.1857, 42.1300, 7.0605 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 31.1857, 42.1300, 7.0605

Background



This preview shows how black text looks on a background with the XYZ color 31.1857, 42.1300, 7.0605.



This preview shows how white text looks on a background with the XYZ color 31.1857, 42.1300,

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

31.1857, 42.1300, 7.0605

Protanopia

37.7081, 41.9008, 6.4481

Deuteranopia

42.5073, 41.5837, 7.4551



Tritanopia

40.4908, 42.0210, 52.9905

Trichromacy



Original Color

31.1857, 42.1300, 7.0605

Protanomaly

34.8221, 41.5758, 6.6051

Deuteranomaly

37.4800, 41.1959, 7.1386

Tritanomaly

35.2033, 41.3465, 25.8639

Monochromacy



Original Color

31.1857, 42.1300, 7.0605

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.5611, 36.2349, 19.2932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1857, 42.1300, 7.0605 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(155, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(155, 186, 18)  
}
```

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(155, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 186, 18) }
```

Border

The CSS property to change the border of an element to XYZ 31.1857, 42.1300, 7.0605 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(155, 186, 18) }
```


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

```
.border{ border-color:rgb(155, 186, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 186, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(155, 186,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1857, 42.1300, 7.0605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 186, 18) }
```

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

```
.background{ background-color: rgb(155,  
186, 18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor