

Converting Colors

XYZ(31.7572, 48.5440, 15.3009)

Have a look what the booklet for
XYZ(31.7572, 48.5440, 15.3009)
contains.

XYZ(31.7367, 48.6018, 15.2978)	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(31.7367, 48.6018,
15.2978)**

Conversions

Conversions Part 1

Format	Color
Hex	7DCD50
RGB	125, 205, 80
RGB Percent	49%, 80%, 31%
CMY	0.5098, 0.1961, 0.6863
CMYK	0.39, 0.00, 0.61, 0.20
HSL	98°, 56%, 56%
HSV	98°, 61%, 80%
XYZ	31.7367, 48.6018, 15.2978
YIQ	166.8300, -7.5550, -55.8350

Conversions

Conversions Part 2

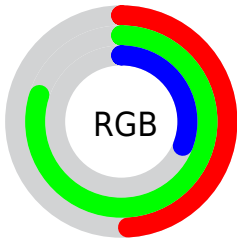
Format	Color
RYB	80, 205, 160
Decimal	8244560
CIELab	75.20, -46.24, 53.27
CIElCh	75, 70.541, 130.955
Yxy	48.6018, 0.3318, 0.5082
Android (android.graphics.Color)	4286434640 (0xFF7DCD50)
YUV	166.8300, -42.8072, -36.6849
Hunter-Lab	69.7150, -40.7418, 35.7903

Details

The XYZ color **31.7367, 48.6018, 15.2978** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **28.3878, 17.6203, 59.6652**, and the grayscale version is **36.8534, 38.7726, 42.2234**.

A 20% lighter version of the original color is **59.3545, 83.1863, 35.4825**, and **13.4449, 23.1035, 4.5614** is the 20% darker color. If you saturate the color by 10%, you get **29.3016, 47.4225, 11.8156**, and if you desaturate by 10%, it is **34.6583, 50.0082, 20.0108**.

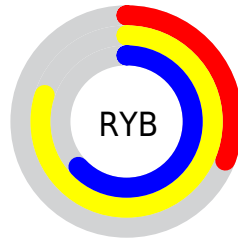
Distribution



Red (49%)

Green (80%)

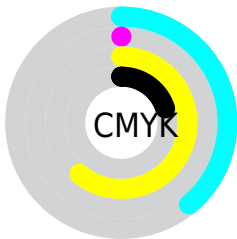
Blue (31%)



Red (31%)

Yellow (80%)

Blue (63%)

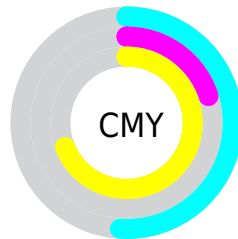


Cyan (39%)

Magenta (0%)

Yellow (61%)

Black (20%)



Cyan (51%)


Magenta (20%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7367, 48.6018, 15.2978 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 31.7367, 48.6018, 15.2978 by changing the saturation by 10% instead.


 31.7367, 48.6018,
15.2978


 31.7367, 48.6018,
15.2978


301.6847,
381.1726, 236.8643

 21.3150, 34.3037,
8.8797


 61.7661, 88.0998,
36.1244


 13.4683, 23.1270,
4.5671


 82.1045, 114.0684,
51.3701


 7.8310, 14.6873,
1.9413


 106.4792,
144.6960, 70.3953

 4.0379, 8.6002,
0.5188

 135.2556,
180.3670, 93.6186

 1.7236, 4.4814,
0.0000

 168.7990,
221.4658, 121.4587

 0.4710, 1.9463,
0.0000

207.4747,

 0.0000, 0.5760,

268.3767, 154.3339

0.0000

251.6482,
321.4842, 192.6630

■ 0.0000, 0.0000,
0.0000

■ 31.7367, 48.6018,
15.2978

■ 31.7367, 48.6018,
15.2978

■ 29.3016, 47.4225,
11.8156

■ 34.6583, 50.0082,
20.0108

■ 27.3178, 46.4502,
9.4457

■ 38.0912, 51.6477,
26.0520

■ 25.7501, 45.6713,
8.0523

■ 42.0625, 53.5340,
33.5129

■ 24.6406, 45.1124,
7.4089

■ 46.5962, 55.6775,
42.4759

■ 51.7148, 58.0882,
53.0170

■ 57.4392, 60.7754,
65.2073

■ 63.7897, 63.7480,
79.1133

■ 70.7852, 67.0144,
94.7979

■ 76.8750, 69.9551,
104.0587

Harmonies

Analogous

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



41.6280, 48.6018, 9.2724



31.7367, 48.6018, 15.2978



26.4500, 48.6018, 32.9159

Triad

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



31.7367, 48.6018, 15.2978



38.5460, 48.6018, 152.8210



75.1623, 48.6018, 40.5056

Complementary

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



31.7367, 48.6018, 15.2978



28.3878, 17.6203, 59.6652

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.



73.9133, 48.6018, 79.7257



31.7367, 48.6018, 15.2978



51.0834, 48.6018, 158.1549

Square

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



31.7367, 48.6018, 15.2978



29.8443, 48.6018, 114.6724



64.4867, 48.6018, 126.9845



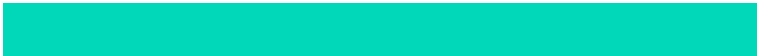
67.6349, 48.6018, 18.6186

Rectangle

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



31.7367, 48.6018, 15.2978



25.5248, 48.6018, 54.1154



64.4867, 48.6018, 126.9845



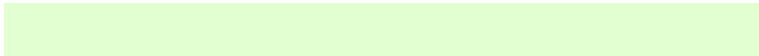
75.7862, 48.6018, 51.7405

Sweetspot

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



31.7379, 48.6039, 15.2989



78.5268, 92.2362, 74.0511



39.0536, 38.4140, 12.9464



16.3020, 19.5037, 14.8229



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.



31.7379, 48.6039, 15.2989



46.9598, 77.1701, 18.0261



27.2833, 46.2273, 18.7136



11.4429, 12.7302, 11.9335



15.4341, 28.1319, 4.6165



0.8787, 1.4938, 0.2420

Inverse Universe

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



28.3878, 17.6203, 59.6652



40.9060, 22.1482, 96.7268



37.1605, 22.3630, 50.1259



11.2806, 11.1940, 14.1365



12.8140, 5.8134, 36.4030



0.7421, 0.3417, 1.8818

Previews

White Background



This preview shows how the XYZ color 31.7367, 48.6018, 15.2978 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 31.7367, 48.6018, 15.2978 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 31.7367, 48.6018, 15.2978

Background



This preview shows how black text looks on a background with the XYZ color 31.7367, 48.6018, 15.2978.



This preview shows how white text looks on a background with the XYZ color 31.7367, 48.6018,

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

31.7367, 48.6018, 15.2978

Protanopia

43.5534, 47.7545, 13.4006

Deuteranopia

48.8117, 47.7121, 16.0879



Tritanopia

41.9119, 48.2731, 66.7832

Trichromacy



Original Color

31.7367, 48.6018, 15.2978



Protanomaly

38.0586, 47.4512, 13.9906



Deuteranomaly

40.4738, 46.7368, 15.6920



Tritanomaly

36.8805, 47.9090, 41.0218

Monochromacy



Original Color

31.7367, 48.6018, 15.2978



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.8459, 41.4724, 29.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7367, 48.6018, 15.2978 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(125, 205, 80)` looks like.

```
.text, #text, p{  
    color:rgb(125, 205, 80)  
}
```

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(125, 205, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 205, 80) }
```

Border

The CSS property to change the border of an element to XYZ 31.7367, 48.6018, 15.2978 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(125, 205, 80) }
```


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

```
.border{ border-color:rgb(125, 205, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 205, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 205, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 205, 80);  
box-shadow:4px 4px 4px 4px rgb(125, 205,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7367, 48.6018, 15.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 205, 80) }
```

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

```
.background{ background-color: rgb(125,  
205, 80) }
```

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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