

Converting Colors

XYZ(31.5052, 48.2957, 7.6615)

Have a look what the booklet for
XYZ(31.5052, 48.2957, 7.6615)
contains.

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Color

**XYZ(31.5845, 48.3366,
7.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	87CC00
RGB	135, 204, 0
RGB Percent	53%, 80%, 0%
CMY	0.4706, 0.2000, 0.9999
CMYK	0.34, 0.00, 1.00, 0.20
HSL	80°, 100%, 40%
HSV	80°, 100%, 80%
XYZ	31.5845, 48.3366, 7.6652
YIQ	160.1130, 24.3600, -78.0720

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 69
Decimal	8899584
CIELab	75.04, -46.08, 74.38
CIELCh	75, 87.494, 121.778
Yxy	48.3366, 0.3606, 0.5519
Android (android.graphics.Color)	4287089664 (0xFF87CC00)
YUV	160.1130, -78.9357, -22.0241
Hunter-Lab	69.5245, -40.5766, 42.1303

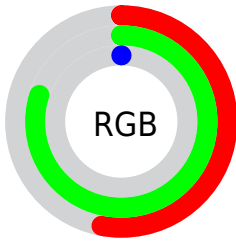
Details

The XYZ color **31.5845, 48.3366, 7.6652** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.3561, 5.6266, 57.5116**, and the grayscale version is **33.8131, 35.5741, 38.7401**.

A 20% lighter version of the original color is **59.5695, 83.6139, 21.1831**, and **13.7279, 23.0314, 3.7220** is the 20% darker color. If you saturate the color by 10%, you get **31.5842, 48.3380, 7.6655**, and if you desaturate by 10%, it is **32.8623, 48.9819, 8.4042**.

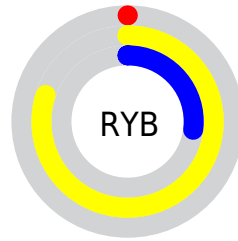
Distribution



Red (53%)

Green (80%)

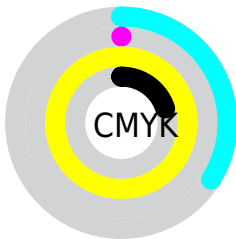
Blue (0%)



Red (0%)

Yellow (80%)

Blue (27%)

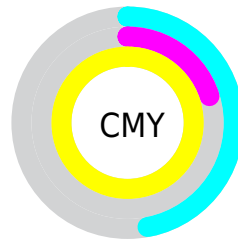


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (47%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5845, 48.3366, 7.6652 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 31.5845, 48.3366, 7.6652 by changing the saturation by 10% instead.

■ 31.5845, 48.3366,
7.6652

■ 31.5845, 48.3366,
7.6652

301.0012,
380.1248, 182.9173

■ 21.1983, 34.0935,
3.7968

■ 61.5287, 87.7054,
21.8347

■ 13.3823, 22.9655,
1.5145

■ 81.8175, 113.5998,
32.9728

■ 7.7712, 14.5680,
0.2287

■ 106.1379,
144.1469, 47.3713

■ 3.9994, 8.5168,
0.0000

■ 134.8553,
179.7309, 65.4486

■ 1.7018, 4.4274,
0.0000

■ 168.3349,
220.7363, 87.6233

■ 0.4574, 1.9154,
0.0000

■ 206.9422,

■ 0.0000, 0.5576,

267.5475, 114.3140

0.0000

251.0425,
320.5489, 145.9392

■ 0.0000, 0.0000,
0.0000

■ 31.5845, 48.3366,
7.6652

■ 31.5845, 48.3366,
7.6652

■ 31.5842, 48.3380,
7.6655

■ 32.8623, 48.9819,
8.4042

■ 34.3494, 49.7177,
9.8678

■ 36.0952, 50.5655,
12.3044

■ 38.1261, 51.5362,
15.8461

■ 40.4644, 52.6387,
20.6046

■ 43.1299, 53.8812,
26.6780

■ 46.1406, 55.2709,
34.1542

■ 49.5128, 56.8145,
43.1137

■ 53.2617, 58.5182,
53.6308

Harmonies

Analogous

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



44.9957, 48.3366, 4.5707



31.5845, 48.3366, 7.6652



23.8359, 48.3366, 21.0170

Triad

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



31.5845, 48.3366, 7.6652



32.8883, 48.3366, 174.5051



84.0133, 48.3366, 49.9470

Complementary

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



31.5845, 48.3366, 7.6652



13.3561, 5.6266, 57.5116

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.



78.6888, 48.3366, 106.1863



31.5845, 48.3366, 7.6652



46.9024, 48.3366, 198.7166

Square

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



31.5845, 48.3366, 7.6652



24.4567, 48.3366, 113.9175



64.1012, 48.3366, 168.5042



77.3320, 48.3366, 18.5555

Rectangle

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



31.5845, 48.3366, 7.6652



21.7453, 48.3366, 41.0201



64.1012, 48.3366, 168.5042



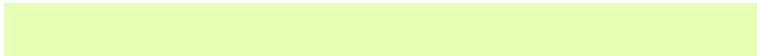
83.5638, 48.3366, 66.2475

Sweetspot

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



31.5856, 48.3387, 7.6662



76.1978, 91.4324, 56.0153



26.9713, 16.9743, 1.8555



15.8405, 19.3543, 10.8039



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.



31.5856, 48.3387, 7.6662



52.0655, 79.9258, 12.6831



22.2544, 43.5283, 7.2295



11.7709, 12.8993, 11.9489



19.9812, 30.4760, 4.8293



1.1097, 1.6129, 0.2528

Inverse Universe

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



13.3561, 5.6266, 57.5116



21.9121, 9.2110, 95.2307



27.4791, 12.9072, 58.1726



10.9535, 11.0253, 14.1212



8.4949, 3.5868, 36.2009



0.5190, 0.2267, 1.8713

Previews

White Background



This preview shows how the XYZ color 31.5845, 48.3366, 7.6652 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 31.5845, 48.3366, 7.6652 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 31.5845, 48.3366, 7.6652

Background



This preview shows how black text looks on a background with the XYZ color 31.5845, 48.3366, 7.6652.



This preview shows how white text looks on a background with the XYZ color 31.5845, 48.3366,

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

31.5845, 48.3366, 7.6652

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.7810, 47.5744, 8.5312



Tritanopia

43.1432, 48.3026, 64.8071

Trichromacy



Original Color

31.5845, 48.3366, 7.6652

Protanomaly

37.6869, 47.0854, 7.1021

Deuteranomaly

40.5504, 46.6384, 7.7846

Tritanomaly

35.7571, 46.9378, 28.2944

Monochromacy



Original Color

31.5845, 48.3366, 7.6652

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.6861, 38.5893, 18.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5845, 48.3366, 7.6652 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(135, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 204, 0)  
}
```

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(135, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.5845, 48.3366, 7.6652 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(135, 204, 0) }
```


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

```
.border{ border-color:rgb(135, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5845, 48.3366, 7.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 204, 0) }
```

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

```
.background{ background-color: rgb(135,  
204, 0) }
```

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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