

Converting Colors

XYZ(31.3266, 48.2036, 7.6532)

Have a look what the booklet for
XYZ(31.3266, 48.2036, 7.6532)
contains.

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Color

**XYZ(31.2657, 48.1723,
7.6503)**

Conversions

Conversions Part 1

Format	Color
Hex	85CC00
RGB	133, 204, 0
RGB Percent	52%, 80%, 0%
CMY	0.4784, 0.2000, 0.9999
CMYK	0.35, 0.00, 1.00, 0.20
HSL	81°, 100%, 40%
HSV	81°, 100%, 80%
XYZ	31.2657, 48.1723, 7.6503
YIQ	159.5150, 23.1680, -78.4960

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 71
Decimal	8768512
CIELab	74.93, -46.80, 74.25
CIELCh	75, 87.772, 122.222
Yxy	48.1723, 0.3590, 0.5531
Android (android.graphics.Color)	4286958592 (0xFF85CC00)
YUV	159.5150, -78.6409, -23.2537
Hunter-Lab	69.4063, -41.0514, 42.0492

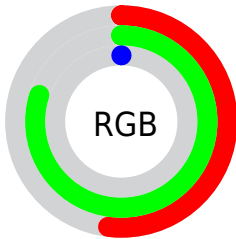
Details

The XYZ color **31.2657, 48.1723, 7.6503** 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 **13.5005, 5.7011, 57.5185**, and the grayscale version is **33.5354, 35.2819, 38.4220**.

A 20% lighter version of the original color is **59.0596, 83.3510, 21.1592**, and **13.5715, 22.9507, 3.7146** is the 20% darker color. If you saturate the color by 10%, you get **31.2654, 48.1737, 7.6506**, and if you desaturate by 10%, it is **32.5562, 48.8241, 8.3899**.

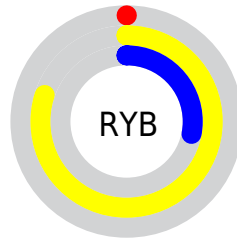
Distribution



Red (52%)

Green (80%)

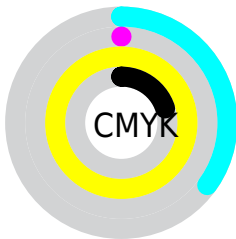
Blue (0%)



Red (0%)

Yellow (80%)

Blue (28%)

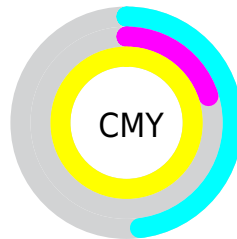


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (48%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2657, 48.1723, 7.6503 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 31.2657, 48.1723, 7.6503 by changing the saturation by 10% instead.

■ 31.2657, 48.1723,
7.6503

■ 31.2657, 48.1723,
7.6503

299.5656,
379.4747, 182.7938

■ 20.9541, 33.9634,
3.7875

■ 61.0311, 87.4609,
21.8047

■ 13.2027, 22.8654,
1.5095

■ 81.2157, 113.3093,
32.9334

■ 7.6462, 14.4942,
0.2250

■ 105.4219,
143.8064, 47.3211

■ 3.9193, 8.4652,
0.0000

■ 134.0151,
179.3364, 65.3863

■ 1.6566, 4.3940,
0.0000

■ 167.3608,
220.2839, 87.5477

■ 0.4289, 1.8963,
0.0000

■ 205.8242,

■ 0.0000, 0.5462,

267.0332, 114.2237

0.0000

249.7707,
319.9686, 145.8329

■ 0.0000, 0.0000,
0.0000

■ 31.2657, 48.1723,
7.6503

■ 31.2657, 48.1723,
7.6503

■ 31.2654, 48.1737,
7.6506

■ 32.5562, 48.8241,
8.3899

■ 34.0600, 49.5685,
9.8543

■ 35.8265, 50.4271,
12.2919

■ 37.8823, 51.4106,
15.8347

■ 40.2499, 52.5282,
20.5947

■ 42.9491, 53.7880,
26.6696

■ 45.9980, 55.1974,
34.1477

■ 49.4130, 56.7631,
43.1092

■ 53.2095, 58.4913,
53.6286

Harmonies

Analogous

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



44.6039, 48.1723, 4.4860



31.2657, 48.1723, 7.6503



23.6076, 48.1723, 21.1766

Triad

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



31.2657, 48.1723, 7.6503



32.8952, 48.1723, 175.3716



83.9131, 48.1723, 49.1091

Complementary

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



31.2657, 48.1723, 7.6503



13.5005, 5.7011, 57.5185

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.



78.7490, 48.1723, 105.1491



31.2657, 48.1723, 7.6503



46.9895, 48.1723, 198.9024

Square

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



31.2657, 48.1723, 7.6503



24.3828, 48.1723, 114.8390



64.2236, 48.1723, 167.8440



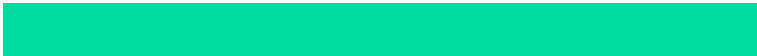
77.0492, 48.1723, 18.1063

Rectangle

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



31.2657, 48.1723, 7.6503



21.5718, 48.1723, 41.4103



64.2236, 48.1723, 167.8440



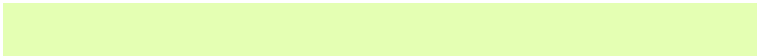
83.5246, 48.1723, 65.2989

Sweetspot

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



31.2668, 48.1744, 7.6513



75.9588, 91.3091, 56.0041



26.9714, 16.9744, 1.8555



15.7834, 19.3248, 10.8013



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.



31.2668, 48.1744, 7.6513



51.5352, 79.6524, 12.6583



22.2544, 43.5284, 7.2296



11.7600, 12.8937, 11.9483



19.7816, 30.3731, 4.8200



1.1004, 1.6081, 0.2524

Inverse Universe

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



13.5005, 5.7011, 57.5185



22.1473, 9.3322, 95.2418



27.4791, 12.9073, 58.1726



10.9639, 11.0307, 14.1217



8.5874, 3.6345, 36.2052



0.5246, 0.2295, 1.8716

Previews

White Background



This preview shows how the XYZ color 31.2657, 48.1723, 7.6503 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 31.2657, 48.1723, 7.6503 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 31.2657, 48.1723, 7.6503

Background



This preview shows how black text looks on a background with the XYZ color 31.2657, 48.1723, 7.6503.



This preview shows how white text looks on a background with the XYZ color 31.2657, 48.1723,

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

31.2657, 48.1723, 7.6503

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.4741, 47.4142, 8.6045



Tritanopia

42.7593, 48.1047, 64.7891

Trichromacy



Original Color

31.2657, 48.1723, 7.6503

Protanomaly

37.4532, 46.9649, 7.0911

Deuteranomaly

40.0301, 46.3702, 7.7602

Tritanomaly

35.3984, 46.7529, 28.2776

Monochromacy



Original Color

31.2657, 48.1723, 7.6503

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.5013, 38.4940, 18.3929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2657, 48.1723, 7.6503 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(133, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2657, 48.1723, 7.6503 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(133, 204, 0) }
```


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

```
.border{ border-color:rgb(133, 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(133, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2657, 48.1723, 7.6503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 204, 0) }
```

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

```
.background{ background-color: rgb(133,  
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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