

Converting Colors

XYZ(29.8995, 49.2971, 7.9410)

Have a look what the booklet for
XYZ(29.8995, 49.2971, 7.9410)
contains.

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Color

**XYZ(29.8707, 49.2458,
7.9310)**

Conversions

Conversions Part 1

Format	Color
Hex	73D100
RGB	115, 209, 0
RGB Percent	45%, 82%, 0%
CMY	0.5490, 0.1804, 0.9999
CMYK	0.45, 0.00, 1.00, 0.18
HSL	87°, 100%, 41%
HSV	87°, 100%, 82%
XYZ	29.8707, 49.2458, 7.9310
YIQ	157.0680, 11.0650, -84.9270

Conversions

Conversions Part 2

Format	Color
RYB	0, 209, 94
Decimal	7590144
CIELab	75.60, -54.90, 74.41
CIElCh	76, 92.474, 126.420
Yxy	49.2458, 0.3432, 0.5657
Android (android.graphics.Color)	4285780224 (0xFF73D100)
YUV	157.0680, -77.4345, -36.8936
Hunter-Lab	70.1754, -46.8269, 42.4220

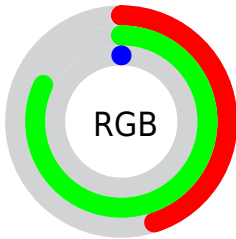
Details

The XYZ color **29.8707, 49.2458, 7.9310** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **16.1285, 6.9854, 60.8227**, and the grayscale version is **32.4152, 34.1033, 37.1385**.

A 20% lighter version of the original color is **55.0005, 81.2585, 20.9692**, and **12.9208, 23.8150, 3.9158** is the 20% darker color. If you saturate the color by 10%, you get **29.8703, 49.2472, 7.9313**, and if you desaturate by 10%, it is **31.3065, 49.9720, 8.7013**.

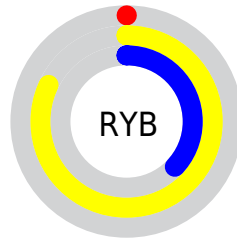
Distribution



Red (45%)

Green (82%)

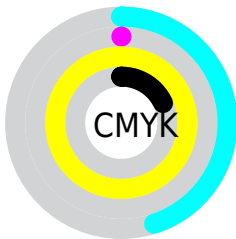
Blue (0%)



Red (0%)

Yellow (82%)

Blue (37%)

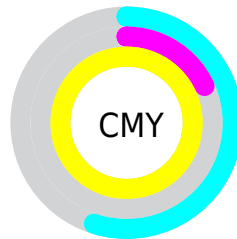


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (55%)

Magenta (18%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8707, 49.2458, 7.9310 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 29.8707, 49.2458, 7.9310 by changing the saturation by 10% instead.

■ 29.8707, 49.2458,
7.9310

■ 29.8707, 49.2458,
7.9310

293.2219,
383.7092, 185.1042

■ 19.8880, 34.8145,
3.9637

■ 58.8457, 89.0564,
22.3670

■ 12.4215, 23.5200,
1.6054

■ 78.5687, 115.2045,
33.6728

■ 7.1056, 14.9780,
0.2947

■ 102.2692,
146.0270, 48.2618

■ 3.5752, 8.8039,
0.0000

■ 130.3126,
181.9083, 66.5525

■ 1.4647, 4.6135,
0.0000

■ 163.0643,
223.2328, 88.9636

■ 0.3016, 2.0223,
0.0000

■ 200.8894,

■ 0.0000, 0.6204,

270.3848, 115.9136

0.0000

244.1535,
323.7488, 147.8209

■ 0.0000, 0.0000,
0.0000

■ 29.8707, 49.2458,
7.9310

■ 29.8707, 49.2458,
7.9310

■ 29.8703, 49.2472,
7.9313

■ 31.3065, 49.9720,
8.7013

■ 33.0164, 50.8211,
10.2434

■ 35.0541, 51.8168,
12.8165

■ 37.4497, 52.9713,
16.5615

■ 40.2288, 54.2954,
21.5970

■ 43.4143, 55.7986,
28.0272

■ 47.0269, 57.4894,
35.9456

■ 51.0858, 59.3760,
45.4377

■ 55.6087, 61.4656,
56.5823

Harmonies

Analogous

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



43.2247, 49.2458, 3.9207



29.8707, 49.2458, 7.9310



22.6725, 49.2458, 24.0793

Triad

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



29.8707, 49.2458, 7.9310



34.8451, 49.2458, 194.5493



87.6832, 49.2458, 43.7630

Complementary

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



29.8707, 49.2458, 7.9310



16.1285, 6.9854, 60.8227

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.



83.8802, 49.2458, 100.8104



29.8707, 49.2458, 7.9310



50.5812, 49.2458, 212.2336

Square

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



29.8707, 49.2458, 7.9310



25.0171, 49.2458, 131.2291



69.1724, 49.2458, 170.7260



78.5708, 49.2458, 14.8879

Rectangle

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



29.8707, 49.2458, 7.9310



21.0584, 49.2458, 47.9519



69.1724, 49.2458, 170.7260



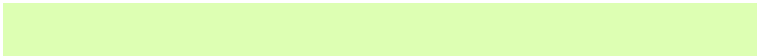
87.8993, 49.2458, 59.7187

Sweetspot

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



29.8718, 49.2479, 7.9321



73.5398, 90.0621, 55.8909



30.0013, 20.9669, 2.4665



15.2077, 19.0280, 10.7743



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.



29.8718, 49.2479, 7.9321



46.6249, 77.1211, 12.4285



22.9821, 45.6961, 7.6096



12.2691, 13.5222, 12.5754



18.5313, 30.4222, 4.8954



1.1269, 1.7478, 0.2780

Inverse Universe

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



16.1285, 6.9854, 60.8227



25.0816, 10.8449, 95.3791



34.0338, 16.2159, 61.6606



11.6614, 11.6743, 14.8824



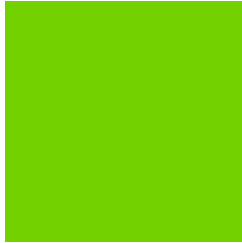
10.0530, 4.3628, 37.5047



0.6529, 0.2907, 2.1013

Previews

White Background



This preview shows how the XYZ color 29.8707, 49.2458, 7.9310 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 29.8707, 49.2458, 7.9310 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 29.8707, 49.2458, 7.9310

Background



This preview shows how black text looks on a background with the XYZ color 29.8707, 49.2458, 7.9310.



This preview shows how white text looks on a background with the XYZ color 29.8707, 49.2458,

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

29.8707, 49.2458, 7.9310

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.5475, 48.5415, 8.9485



Tritanopia

41.9091, 48.8994, 68.2025

Trichromacy



Original Color

29.8707, 49.2458, 7.9310



Protanomaly

36.9710, 47.6975, 7.2580



Deuteranomaly

39.4163, 46.9927, 8.0300



Tritanomaly

34.2422, 47.4736, 29.9128

Monochromacy



Original Color

29.8707, 49.2458, 7.9310



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.9809, 37.7216, 17.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8707, 49.2458, 7.9310 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(115, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 209, 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(115, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 209, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8707, 49.2458, 7.9310 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(115, 209, 0) }
```


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

```
.border{ border-color:rgb(115, 209, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 209,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8707, 49.2458, 7.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 209, 0) }
```

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

```
.background{ background-color: rgb(115,  
209, 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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