

Converting Colors

XYZ(30.8650, 46.1829, 7.8627)

Have a look what the booklet for
XYZ(30.8650, 46.1829, 7.8627)
contains.

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Color

**XYZ(30.8491, 46.2089,
7.8656)**

Conversions

Conversions Part 1

Format	Color
Hex	89C712
RGB	137, 199, 18
RGB Percent	54%, 78%, 7%
CMY	0.4627, 0.2196, 0.9293
CMYK	0.31, 0.00, 0.91, 0.22
HSL	81°, 83%, 43%
HSV	81°, 91%, 78%
XYZ	30.8491, 46.2089, 7.8656
YIQ	159.8280, 21.1490, -69.4350

Conversions

Conversions Part 2

Format	Color
RYB	18, 199, 80
Decimal	9029394
CIELab	73.68, -42.94, 71.33
CIELCh	74, 83.255, 121.049
Yxy	46.2089, 0.3633, 0.5441
Android (android.graphics.Color)	4287219474 (0xFF89C712)
YUV	159.8280, -69.9212, -20.0202
Hunter-Lab	67.9771, -37.9538, 40.7236

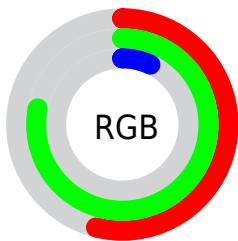
Details

The XYZ color **30.8491, 46.2089, 7.8656** 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 **13.8360, 6.2633, 54.5153**, and the grayscale version is **33.6413, 35.3933, 38.5433**.

A 20% lighter version of the original color is **59.9860, 83.8102, 22.0322**, and **13.3498, 21.9131, 3.5260** is the 20% darker color. If you saturate the color by 10%, you get **29.7577, 45.6604, 7.2449**, and if you desaturate by 10%, it is **32.2426, 46.9011, 9.1801**.

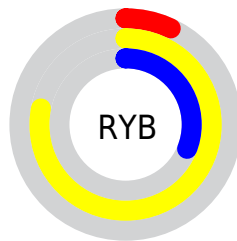
Distribution



Red (54%)

Green (78%)

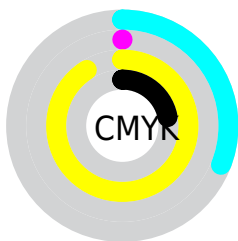
Blue (7%)



Red (7%)

Yellow (78%)

Blue (31%)

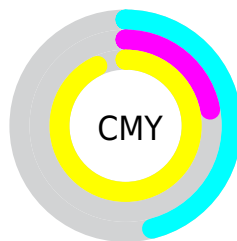


Cyan (31%)

Magenta (0%)

Yellow (91%)

Black (22%)



Cyan (46%)


Magenta (22%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8491, 46.2089, 7.8656 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 30.8491, 46.2089, 7.8656 by changing the saturation by 10% instead.


 30.8491, 46.2089,
7.8656


 30.8491, 46.2089,
7.8656


297.6818,
371.6479, 184.5691

 20.6352, 32.4107,
3.9225


 60.3799, 84.5315,
22.2363


 12.9686, 21.6754,
1.5829


 80.4275, 109.8248,
33.5011

 7.4838, 13.6186,
0.2786


 104.4837,
139.7185, 48.0435

 3.8154, 7.8559,
0.0000

 132.9140,
174.5971, 66.2821

 1.5983, 4.0029,
0.0000

 166.0835,
214.8449, 88.6354

 0.3913, 1.6752,
0.0000

 204.3578,

 0.0000, 0.4075,

260.8464, 115.5220

0.0000

248.1021,
312.9859, 147.3604

■ 0.0000, 0.0000,
0.0000

■ 30.8491, 46.2089,
7.8656

■ 30.8491, 46.2089,
7.8656

■ 29.7577, 45.6604,
7.2449

■ 32.2426, 46.9011,
9.1801

■ 33.8783, 47.6970,
11.3995

■ 35.7826, 48.6086,
14.6512

■ 37.9767, 49.6449,
19.0418

■ 40.4797, 50.8133,
24.6643

■ 43.3084, 52.1209,
31.6025

■ 46.4785, 53.5741,
39.9326

■ 50.0044, 55.1787,
49.7250

■ 53.8997, 56.9403,
61.0454

Harmonies

Analogous

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



43.4025, 46.2089, 4.9501



30.8491, 46.2089, 7.8656



23.4741, 46.2089, 20.3356

Triad

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



30.8491, 46.2089, 7.8656



31.5658, 46.2089, 160.2005



78.8423, 46.2089, 48.8399

Complementary

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



30.8491, 46.2089, 7.8656



13.8360, 6.2633, 54.5153

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.



73.7261, 46.2089, 100.7990



30.8491, 46.2089, 7.8656



44.4419, 46.2089, 183.1700

Square

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



30.8491, 46.2089, 7.8656



23.8180, 46.2089, 104.9516



60.2432, 46.2089, 157.0008



72.9945, 46.2089, 18.9587

Rectangle

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



30.8491, 46.2089, 7.8656



21.4286, 46.2089, 38.6985



60.2432, 46.2089, 157.0008



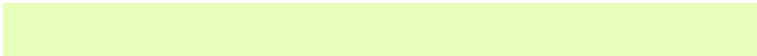
78.3399, 46.2089, 64.0474

Sweetspot

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



30.8502, 46.2109, 7.8666



77.7272, 92.1292, 60.2241



26.4127, 17.6845, 2.5943



16.2396, 19.5369, 11.8678



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.



30.8502, 46.2109, 7.8666



51.8316, 79.8052, 12.6721



21.7613, 41.5254, 7.4412



11.1574, 12.2281, 11.3350



19.2309, 29.4092, 4.6630



0.9860, 1.4314, 0.2243

Inverse Universe

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



13.8360, 6.2633, 54.5153



22.0143, 9.2637, 95.2355



26.8537, 12.9742, 55.1245



10.3936, 10.4612, 13.3889



8.2547, 3.4897, 34.9829



0.4687, 0.2054, 1.6601

Previews

White Background



This preview shows how the XYZ color 30.8491, 46.2089, 7.8656 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 30.8491, 46.2089, 7.8656 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 30.8491, 46.2089, 7.8656

Background



This preview shows how black text looks on a background with the XYZ color 30.8491, 46.2089, 7.8656.



This preview shows how white text looks on a background with the XYZ color 30.8491, 46.2089,

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

30.8491, 46.2089, 7.8656

Protanopia

41.1908, 45.7596, 6.8625

Deuteranopia

46.6417, 45.6168, 8.4445



Tritanopia

41.4846, 45.9360, 61.3236

Trichromacy



Original Color

30.8491, 46.2089, 7.8656

Protanomaly

36.6340, 45.5743, 7.1825

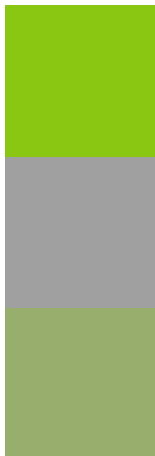
Deuteranomaly

39.0465, 44.6269, 7.9947

Tritanomaly

35.1110, 44.9377, 29.3776

Monochromacy



Original Color

30.8491, 46.2089, 7.8656

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

30.7917, 38.0302, 19.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8491, 46.2089, 7.8656 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(137, 199, 18)` looks like.

```
.text, #text, p{  
    color:rgb(137, 199, 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(137, 199, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 199, 18) }
```

Border

The CSS property to change the border of an element to XYZ 30.8491, 46.2089, 7.8656 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(137, 199, 18) }
```


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

```
.border{ border-color:rgb(137, 199, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 199, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 199, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 199, 18);  
box-shadow:4px 4px 4px 4px rgb(137, 199,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8491, 46.2089, 7.8656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 199, 18) }
```

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

```
.background{ background-color: rgb(137,  
199, 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](#).

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