

Converting Colors

XYZ(29.2026, 41.1931, 6.8317)

Have a look what the booklet for
XYZ(29.2026, 41.1931, 6.8317)
contains.

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Color

**XYZ(29.1398, 41.0788,
6.8086)**

Conversions

Conversions Part 1

Format	Color
Hex	90BA0E
RGB	144, 186, 14
RGB Percent	56%, 73%, 5%
CMY	0.4353, 0.2706, 0.9450
CMYK	0.23, 0.00, 0.92, 0.27
HSL	75°, 86%, 39%
HSV	75°, 92%, 73%
XYZ	29.1398, 41.0788, 6.8086
YIQ	153.8340, 30.1800, -62.3960

Conversions

Conversions Part 2

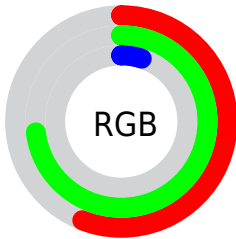
Format	Color
RYB	14, 186, 56
Decimal	9484814
CIELab	70.23, -34.54, 69.29
CIElCh	70, 77.422, 116.494
Yxy	41.0788, 0.3783, 0.5333
Android (android.graphics.Color)	4287674894 (0xFF90BA0E)
YUV	153.8340, -68.9382, -8.6244
Hunter-Lab	64.0927, -31.0072, 38.5665

Details

The XYZ color **29.1398, 41.0788, 6.8086** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.6526, 4.7011, 46.8027**, and the grayscale version is **30.9276, 32.5382, 35.4341**.

A 20% lighter version of the original color is **57.7095, 76.7009, 20.1507**, and **12.4120, 18.8498, 2.9842** is the 20% darker color. If you saturate the color by 10%, you get **28.4725, 40.7453, 6.3640**, and if you desaturate by 10%, it is **30.1401, 41.5739, 7.8468**.

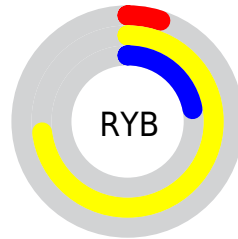
Distribution



Red (56%)

Green (73%)

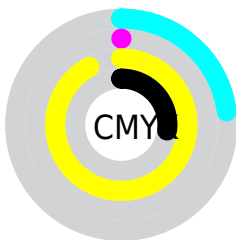
Blue (5%)



Red (5%)

Yellow (73%)

Blue (22%)

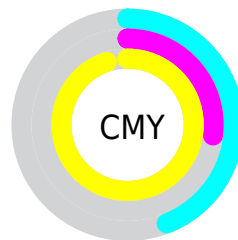


Cyan (23%)

Magenta (0%)

Yellow (92%)

Black (27%)



Cyan (44%)

Magenta (27%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1398, 41.0788, 6.8086 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 29.1398, 41.0788, 6.8086 by changing the saturation by 10% instead.

■ 29.1398, 41.0788,
6.8086

■ 29.1398, 41.0788,
6.8086

289.8563,
350.6499, 175.6339

■ 19.3314, 28.3807,
3.2661

■ 57.6951, 76.8035,
20.0934

■ 12.0154, 18.6128,
1.2320

■ 77.1728, 100.5989,
30.6727

■ 6.8265, 11.3908,
0.0051

■ 100.6043,
128.8621, 44.4347

■ 3.3992, 6.3304,
0.0000

■ 128.3550,
161.9775, 61.7980

■ 1.3682, 3.0470,
0.0000

■ 160.7901,
200.3297, 83.1809

■ 0.2334, 1.1563,
0.0000

■ 198.2752,

■ 0.0000, 0.0256,

244.3028, 109.0022

0.0000

241.1755,
294.2814, 139.6804

■ 0.0000, 0.0000,
0.0000

■ 29.1398, 41.0788,
6.8086

■ 29.1398, 41.0788,
6.8086

■ 28.4725, 40.7453,
6.3640

■ 30.1401, 41.5739,
7.8468

■ 31.3151, 42.1411,
9.6405

■ 32.6870, 42.7909,
12.3007

■ 34.2736, 43.5304,
15.9190

■ 36.0904, 44.3658,
20.5759

■ 38.1515, 45.3028,
26.3430

■ 40.4696, 46.3466,
33.2857

■ 43.0564, 47.5018,
41.4645

■ 45.9230, 48.7729,
50.9354

Harmonies

Analogous

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



40.5552, 41.0788, 4.9535



29.1398, 41.0788, 6.8086



22.0288, 41.0788, 16.1808

Triad

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



29.1398, 41.0788, 6.8086



27.0650, 41.0788, 131.9539



68.8113, 41.0788, 49.1380

Complementary

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



29.1398, 41.0788, 6.8086



10.6526, 4.7011, 46.8027

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.



63.1266, 41.0788, 95.4514



29.1398, 41.0788, 6.8086



37.5712, 41.0788, 157.0056

Square

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



29.1398, 41.0788, 6.8086



21.0257, 41.0788, 83.7026



50.9714, 41.0788, 140.9393



65.2042, 41.0788, 20.2364

Rectangle

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



29.1398, 41.0788, 6.8086



19.8009, 41.0788, 30.3131



50.9714, 41.0788, 140.9393



67.8976, 41.0788, 63.1118

Sweetspot

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



29.1407, 41.0806, 6.8095



70.7726, 82.8433, 52.5197



21.6561, 13.1233, 1.8076



15.1981, 18.0686, 10.4287



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1407, 41.0806, 6.8095



51.3755, 73.7310, 11.5237



19.4953, 36.1083, 6.3581



9.5301, 10.3899, 9.6101



19.2247, 27.4470, 4.2846



0.7299, 0.9945, 0.1535

Inverse Universe

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



10.6526, 4.7011, 46.8027



17.8780, 7.3607, 84.6799



19.8595, 9.4475, 47.2336



8.7211, 8.8226, 11.3227



6.7616, 2.7970, 31.4366



0.2960, 0.1283, 1.1109

Previews

White Background



This preview shows how the XYZ color 29.1398, 41.0788, 6.8086 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 29.1398, 41.0788, 6.8086 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 29.1398, 41.0788, 6.8086

Background



This preview shows how black text looks on a background with the XYZ color 29.1398, 41.0788, 6.8086.



This preview shows how white text looks on a background with the XYZ color 29.1398, 41.0788,

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

29.1398, 41.0788, 6.8086

Protanopia

36.7448, 40.8425, 5.9467

Deuteranopia

41.5577, 40.5670, 7.3089



Tritanopia

38.4104, 40.9486, 52.8931

Trichromacy



Original Color

29.1398, 41.0788, 6.8086

Protanomaly

33.4287, 40.5692, 6.2123

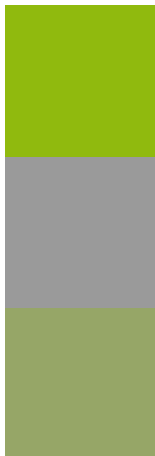
Deuteranomaly

36.0077, 40.1568, 6.9518

Tritanomaly

32.8849, 40.1661, 25.0884

Monochromacy



Original Color

29.1398, 41.0788, 6.8086

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.6621, 34.7357, 18.0260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1398, 41.0788, 6.8086 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(144, 186, 14)` looks like.

```
.text, #text, p{  
    color:rgb(144, 186, 14)  
}
```

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(144, 186, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 186, 14) }
```

Border

The CSS property to change the border of an element to XYZ 29.1398, 41.0788, 6.8086 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(144, 186, 14) }
```


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

```
.border{ border-color:rgb(144, 186, 14) }
```

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

Here you see how a box with a 4 pixel rgb(144, 186, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 186, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 186, 14);  
box-shadow:4px 4px 4px 4px rgb(144, 186,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1398, 41.0788, 6.8086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 186, 14) }
```

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

```
.background{ background-color: rgb(144,  
186, 14) }
```

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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