

Converting Colors

XYZ(29.1229, 14.7100, 88.4936)

Have a look what the booklet for
XYZ(29.1229, 14.7100, 88.4936)
contains.

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Color

**XYZ(29.0606, 14.6901,
88.4926)**

Conversions

Conversions Part 1

Format	Color
Hex	8F31F6
RGB	143, 49, 246
RGB Percent	56%, 19%, 96%
CMY	0.4392, 0.8078, 0.0353
CMYK	0.42, 0.80, 0.00, 0.04
HSL	269°, 92%, 58%
HSV	269°, 80%, 96%
XYZ	29.0606, 14.6901, 88.4926
YIQ	99.5640, -7.2130, 81.1950

Conversions

Conversions Part 2

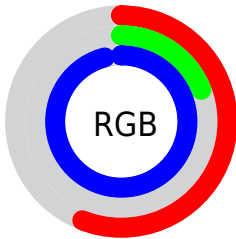
Format	Color
R _Y B	143, 49, 246
Decimal	9384438
CIE _{Lab}	45.21, 73.02, -81.11
CIE _{LCh}	45, 109.139, 311.994
Y _{xy}	14.6901, 0.2198, 0.1111
Android (android.graphics.Color)	4287574518 (0xFF8F31F6)
Y _{UV}	99.5640, 72.1929, 38.0934
Hunter-Lab	38.3277, 68.2679, -110.0620

Details

The XYZ color **29.0606, 14.6901, 88.4926** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **46.4583, 72.8085, 14.5105**, and the grayscale version is **11.8272, 12.4431, 13.5506**.

A 20% lighter version of the original color is **48.2095, 30.5728, 97.9680**, and **12.3854, 5.3363, 47.9542** is the 20% darker color. If you saturate the color by 10%, you get **26.1975, 12.0809, 88.1402**, and if you desaturate by 10%, it is **32.7412, 18.5527, 89.0445**.

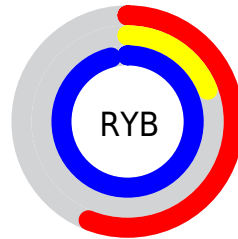
Distribution



Red (56%)

Green (19%)

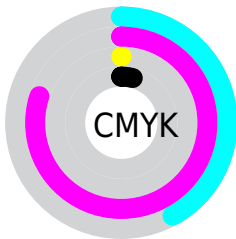
Blue (96%)



Red (56%)

Yellow (19%)

Blue (96%)

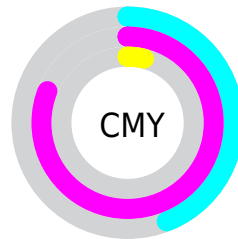


Cyan (42%)

Magenta (80%)

Yellow (0%)

Black (4%)



Cyan (44%)


Magenta (81%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0606, 14.6901, 88.4926 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 29.0606, 14.6901, 88.4926 by changing the saturation by 10% instead.


 29.0606, 14.6901,
88.4926


 29.0606, 14.6901,
88.4926


289.4898,
221.4827, 543.5581

 19.2712, 8.6022,
66.1644


 57.5702, 34.3086,
147.1599


 11.9716, 4.4826,
47.9486


 77.0212, 48.6080,
184.3362

 6.7964, 1.9470,
33.4265


 100.4233, 66.4133,
227.2989

 3.3803, 0.5764,
22.1796

 128.1421, 88.1089,
276.4666

 1.3579, 0.0000,
13.7893

 160.5427,
114.0793, 332.2578

 0.2259, 0.0000,
7.8372

 197.9907,

 0.0000, 0.0000,

144.7088, 395.0911

3.9047

240.8512,
180.3818, 465.3850

■ 0.0000, 0.0000,
1.5732

■ 0.0000, 0.0000,
0.2716

■ 29.0606, 14.6901,
88.4926

■ 29.0606, 14.6901,
88.4926

■ 26.1975, 12.0809,
88.1402

■ 32.7412, 18.5527,
89.0445

■ 24.0228, 10.4626,
87.9425

■ 37.3248, 23.8316,
89.8219

■ 42.8872, 30.6653,
90.8477

■ 49.4945, 39.1749,
92.1420

■ 57.2064, 49.4692,
93.7226

■ 66.0778, 61.6476,
95.6056

■ 76.1594, 75.8019,
97.8063

■ 87.4991, 92.0178,
100.3387

■ 93.6346, 99.4338,
101.4467

Harmonies

Analogous

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



17.8817, 14.6901, 130.2060



29.0606, 14.6901, 88.4926



37.7756, 14.6901, 36.7629

Triad

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



29.0606, 14.6901, 88.4926



20.0333, 14.6901, 0.0000



2.9463, 14.6901, 28.6825

Complementary

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



29.0606, 14.6901, 88.4926



46.4583, 72.8085, 14.5105

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.



3.1162, 14.6901, 5.0360



29.0606, 14.6901, 88.4926



10.6624, 14.6901, 0.0000

Square

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



29.0606, 14.6901, 88.4926



31.2066, 14.6901, 0.3442



5.2819, 14.6901, 0.0000



4.6377, 14.6901, 77.4702

Rectangle

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



29.0606, 14.6901, 88.4926



39.4266, 14.6901, 14.3301



5.2819, 14.6901, 0.0000



2.8178, 14.6901, 17.7842

Sweetspot

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



29.0614, 14.6905, 88.4930



67.7298, 61.4031, 102.8900



29.4679, 30.4401, 91.5115



13.7689, 12.1453, 21.8685



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.



29.0614, 14.6905, 88.4930



26.9152, 11.9545, 95.4966



53.4762, 27.2768, 89.6356



16.3335, 16.3145, 20.8307



12.9822, 5.6669, 46.9476



1.2589, 0.5588, 4.1318

Inverse Universe

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



44.7716, 24.0564, 31.9874



45.9516, 23.3218, 26.1951



35.1170, 66.9619, 13.9798



16.8610, 16.6273, 19.0148



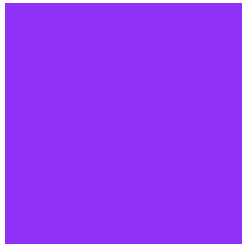
22.4589, 11.3270, 12.3909



2.0259, 1.0163, 1.3626

Previews

White Background



This preview shows how the XYZ color 29.0606, 14.6901, 88.4926 looks on a white background.

Color Contrast Check

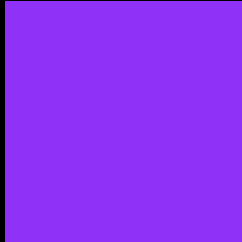
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.0606, 14.6901, 88.4926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

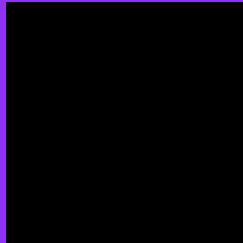
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0606, 14.6901, 88.4926

Background



This preview shows how black text looks on a background with the XYZ color 29.0606, 14.6901, 88.4926.



This preview shows how white text looks on a background with the XYZ color 29.0606, 14.6901,

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

29.0606, 14.6901, 88.4926

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

14.5456, 14.7397, 49.0921



Tritanopia

14.6850, 14.5812, 17.3697

Trichromacy



Original Color

29.0606, 14.6901, 88.4926



Protanomaly

18.5130, 12.5180, 74.8393



Deuteranomaly

16.2911, 12.2636, 61.1830



Tritanomaly

17.9155, 13.1989, 35.3216

Monochromacy



Original Color

29.0606, 14.6901, 88.4926



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

15.8947, 11.8978, 31.5958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0606, 14.6901, 88.4926 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(143, 49, 246)` looks like.

```
.text, #text, p{  
    color:rgb(143, 49, 246)  
}
```

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(143, 49, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 49, 246) }
```

Border

The CSS property to change the border of an element to XYZ 29.0606, 14.6901, 88.4926 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(143, 49, 246) }
```


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

```
.border{ border-color:rgb(143, 49, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 49, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 49, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 49, 246);  
box-shadow:4px 4px 4px 4px rgb(143, 49,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0606, 14.6901, 88.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 49, 246) }
```

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

```
.background{ background-color: rgb(143, 49,  
246) }
```

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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