

Converting Colors

XYZ(29.1197, 26.3057, 65.6105)

Have a look what the booklet for
XYZ(29.1197, 26.3057, 65.6105)
contains.

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Color

**XYZ(29.1612, 26.3157,
65.8298)**

Conversions

Conversions Part 1

Format	Color
Hex	7F86D4
RGB	127, 134, 212
RGB Percent	50%, 53%, 83%
CMY	0.5019, 0.4745, 0.1686
CMYK	0.40, 0.37, 0.00, 0.17
HSL	235°, 50%, 66%
HSV	235°, 40%, 83%
XYZ	29.1612, 26.3157, 65.8298
YIQ	140.7990, -29.2100, 22.7740

Conversions

Conversions Part 2

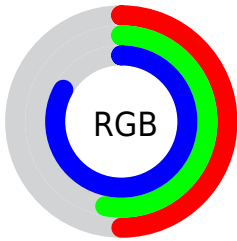
Format	Color
RYB	127, 133, 212
Decimal	8357588
CIELab	58.34, 16.82, -40.95
CIELCh	58, 44.270, 292.327
Yxy	26.3157, 0.2404, 0.2169
Android (android.graphics.Color)	4286547668 (0xFF7F86D4)
YUV	140.7990, 35.1021, -12.1017
Hunter-Lab	51.2988, 11.6967, -40.1754

Details

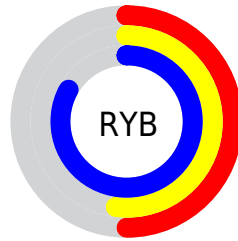
The XYZ color **29.1612, 26.3157, 65.8298** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.8145, 59.1934, 28.7219**, and the grayscale version is **25.1148, 26.4227, 28.7744**.

A 20% lighter version of the original color is **55.3488, 52.8279, 101.8874**, and **12.0820, 10.3478, 33.2588** is the 20% darker color. If you saturate the color by 10%, you get **23.8836, 19.9642, 64.8825**, and if you desaturate by 10%, it is **35.5996, 34.0008, 66.9743**.

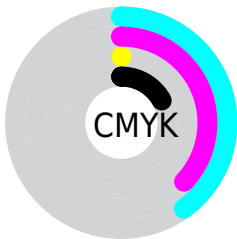
Distribution



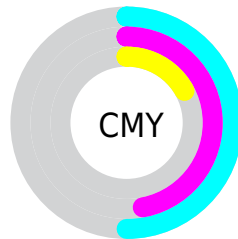
- Red (50%)
- Green (53%)
- Blue (83%)



- Red (50%)
- Yellow (52%)
- Blue (83%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (47%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1612, 26.3157, 65.8298 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 29.1612, 26.3157, 65.8298 by changing the saturation by 10% instead.

■ 29.1612, 26.3157,
65.8298

■ 29.1612, 26.3157,
65.8298

289.9553,
284.3284, 464.1555

■ 19.3477, 17.0600,
47.6786

■ 57.7289, 53.7838,
114.8667

■ 12.0273, 10.2773,
33.2143

■ 77.2138, 72.7650,
146.5895

■ 6.8346, 5.5832,
22.0182

■ 100.6532, 95.7567,
183.6733

■ 3.4043, 2.5933,
13.6718

128.4125,
123.1435, 226.5366

■ 1.3710, 0.9233,
7.7566

160.8569,
155.3097, 275.5979

■ 0.2354, 0.0000,
3.8541

198.3520,

■ 0.0000, 0.0000,

192.6396, 331.2758

1.5456

241.2630,
235.5177, 393.9888

■ 0.0000, 0.0000,
0.2516

■ 0.0000, 0.0000,
0.0000

■ 29.1612, 26.3157,
65.8298

■ 29.1612, 26.3157,
65.8298

■ 23.8836, 19.9642,
64.8825

■ 35.5996, 34.0008,
66.9743

■ 19.6948, 14.8675,
64.1195

■ 43.2594, 43.0865,
68.3243

■ 16.5192, 10.9428,
63.5293

■ 52.2003, 53.6388,
69.8899

■ 14.2701, 8.0963,
63.0984

■ 62.4774, 65.7188,
71.6799

■ 12.8463, 6.2193,
62.8112

■ 74.1425, 79.3838,
73.7027

■ 12.0913, 5.1687,
62.6482

■ 87.2445, 94.6885,
75.9663

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



23.6534, 26.3157, 69.3020



29.1612, 26.3157, 65.8298



34.1485, 26.3157, 50.8999

Triad

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



29.1612, 26.3157, 65.8298



31.8985, 26.3157, 10.9916



16.0803, 26.3157, 24.8690

Complementary

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



29.1612, 26.3157, 65.8298



52.8145, 59.1934, 28.7219

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.



17.6709, 26.3157, 14.0682



29.1612, 26.3157, 65.8298



26.4222, 26.3157, 8.1511

Square

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



29.1612, 26.3157, 65.8298



35.8805, 26.3157, 18.7890



21.2768, 26.3157, 9.0286



16.5955, 26.3157, 41.4780

Rectangle

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



29.1612, 26.3157, 65.8298



36.2480, 26.3157, 38.6455



21.2768, 26.3157, 9.0286



16.3774, 26.3157, 20.5516

Sweetspot

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



29.1622, 26.3167, 65.8304



76.3617, 78.0254, 105.6435



43.3062, 56.0035, 66.2328



15.9479, 16.2330, 22.5427



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.



29.1622, 26.3167, 65.8304



37.4340, 31.7224, 98.7578



34.4593, 27.6587, 65.8103



11.8240, 12.1714, 15.6636



7.4943, 3.2504, 38.6856



0.4812, 0.2545, 2.3431

Inverse Universe

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



39.0447, 30.8982, 26.4612



54.5064, 39.8992, 30.6873



45.4119, 57.9182, 28.8659



12.4643, 12.4372, 13.1195



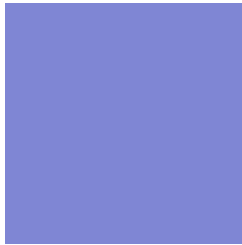
16.8416, 8.6730, 1.2042



1.0306, 0.5290, 0.1503

Previews

White Background



This preview shows how the XYZ color 29.1612, 26.3157, 65.8298 looks on a white background.

Color Contrast Check

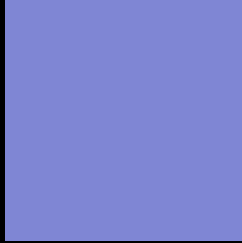
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.1612, 26.3157, 65.8298 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 × Fail

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

XYZ 29.1612, 26.3157, 65.8298

Background



This preview shows how black text looks on a background with the XYZ color 29.1612, 26.3157, 65.8298.



This preview shows how white text looks on a background with the XYZ color 29.1612, 26.3157,

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

29.1612, 26.3157, 65.8298

Protanopia

27.8935, 26.2424, 67.8851

Deuteranopia

27.0539, 26.2942, 65.2774



Tritanopia

23.0213, 26.1958, 35.7412

Trichromacy



Original Color

29.1612, 26.3157, 65.8298

Protanomaly

28.2779, 26.2453, 67.1938

Deuteranomaly

27.6430, 26.1719, 65.2228

Tritanomaly

24.9319, 26.0756, 45.3140

Monochromacy



Original Color

29.1612, 26.3157, 65.8298

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.2169, 26.2012, 40.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1612, 26.3157, 65.8298 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(127, 134, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 134, 212)  
}
```

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(127, 134, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 134, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.1612, 26.3157, 65.8298 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(127, 134, 212) }
```


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

```
.border{ border-color:rgb(127, 134, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 134, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 134, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 134, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 134,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1612, 26.3157, 65.8298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 134, 212) }
```

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

```
.background{ background-color: rgb(127,  
134, 212) }
```

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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