

Converting Colors

XYZ(29.9499, 26.1291, 71.5572)

Have a look what the booklet for XYZ(29.9499, 26.1291, 71.5572) contains.

- XYZ(30.0548, 26.2350, 71.8864) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(30.0548, 26.2350,
71.8864)**

Conversions

Conversions Part 1

Format	Color
Hex	7F84DD
RGB	127, 132, 221
RGB Percent	50%, 52%, 87%
CMY	0.5019, 0.4823, 0.1333
CMYK	0.43, 0.40, 0.00, 0.13
HSL	237°, 58%, 68%
HSV	237°, 43%, 87%
XYZ	30.0548, 26.2350, 71.8864
YIQ	140.6510, -31.5490, 26.6190

Conversions

Conversions Part 2

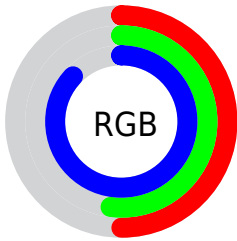
Format	Color
R _Y B	127, 132, 221
Decimal	8357085
CIE Lab	58.26, 20.56, -46.12
CIE LCh	58, 50.491, 294.024
Yxy	26.2350, 0.2345, 0.2047
Android (android.graphics.Color)	4286547165 (0xFF7F84DD)
YUV	140.6510, 39.6121, -11.9719
Hunter-Lab	51.2201, 15.1046, -47.3582

Details

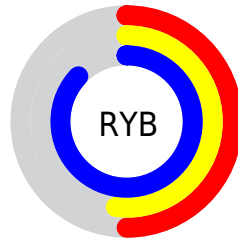
The XYZ color **30.0548, 26.2350, 71.8864** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **58.2066, 66.0178, 29.7550**, and the grayscale version is **25.0407, 26.3448, 28.6895**.

A 20% lighter version of the original color is **54.9274, 51.9852, 101.7469**, and **12.4833, 10.2427, 36.9164** is the 20% darker color. If you saturate the color by 10%, you get **24.5585, 19.6037, 70.8966**, and if you desaturate by 10%, it is **36.8440, 34.3785, 73.1009**.

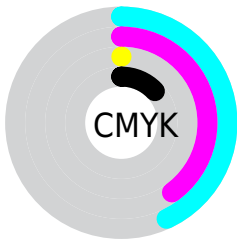
Distribution



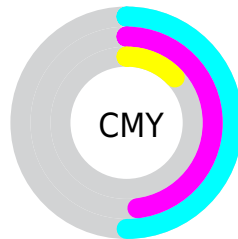
- Red (50%)
- Green (52%)
- Blue (87%)



- Red (50%)
- Yellow (52%)
- Blue (87%)



- Cyan (43%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0548, 26.2350, 71.8864 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 30.0548, 26.2350, 71.8864 by changing the saturation by 10% instead.

■ 30.0548, 26.2350,
71.8864

■ 30.0548, 26.2350,
71.8864

294.0650,
283.9338, 486.1130

■ 20.0285, 16.9995,
52.5796

■ 59.1349, 53.6538,
123.6012

■ 12.5241, 10.2342,
37.0819

■ 78.9193, 72.6060,
156.8463

■ 7.1764, 5.5545,
24.9746

■ 102.6872, 95.5658,
195.5747

■ 3.6200, 2.5761,
15.8393

130.8038,
122.9176, 240.2047

■ 1.4895, 0.9147,
9.2574

163.6345,
155.0460, 291.1550

■ 0.3187, 0.0000,
4.8103

201.5447,

■ 0.0000, 0.0000,

192.3352, 348.8441

2.0796

244.8998,
235.1697, 413.6906

■ 0.0000, 0.0000,
0.6036

■ 0.0000, 0.0000,
0.0000

■ 30.0548, 26.2350,
71.8864

■ 30.0548, 26.2350,
71.8864

■ 24.5585, 19.6037,
70.8966

■ 36.8440, 34.3785,
73.1009

■ 20.2703, 14.3886,
70.1160

■ 44.9979, 44.1164,
74.5508

■ 17.0997, 10.4875,
69.5301

■ 54.5864, 55.5284,
76.2481

■ 14.9424, 7.7828,
69.1218

■ 65.6741, 68.6881,
78.2038

■ 13.6743, 6.1364,
68.8708

■ 78.3213, 83.6646,
80.4280

■ 13.1797, 5.4774,
68.7697

■ 90.0512, 98.0005,
82.5769

Harmonies

Analogous

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



23.7271, 26.2350, 77.0833



30.0548, 26.2350, 71.8864



35.7560, 26.2350, 53.3726

Triad

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



30.0548, 26.2350, 71.8864



32.5298, 26.2350, 9.0160



14.9444, 26.2350, 25.1894

Complementary

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



30.0548, 26.2350, 71.8864



58.2066, 66.0178, 29.7550

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.



16.5533, 26.2350, 12.9567



30.0548, 26.2350, 71.8864



26.1844, 26.2350, 6.4134

Square

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



30.0548, 26.2350, 71.8864



37.3411, 26.2350, 16.8976



20.4334, 26.2350, 7.4813



15.6358, 26.2350, 44.6512

Rectangle

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



30.0548, 26.2350, 71.8864



38.0874, 26.2350, 38.9132



20.4334, 26.2350, 7.4813



15.2245, 26.2350, 20.2369

Sweetspot

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



30.0558, 26.2359, 71.8870



74.6799, 75.8292, 105.3082



46.8413, 61.1183, 73.4393



15.3209, 15.4415, 22.4230



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.



30.0558, 26.2359, 71.8870



34.7331, 28.0421, 98.1898



36.7334, 28.6962, 72.0100



12.3940, 12.7277, 16.4556



7.6817, 3.2328, 39.9575



0.5177, 0.2494, 2.5953

Inverse Universe

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



41.5739, 32.2181, 25.8581



52.7229, 37.5768, 26.2556



48.5727, 62.9813, 29.6767



13.0840, 13.0627, 13.7034



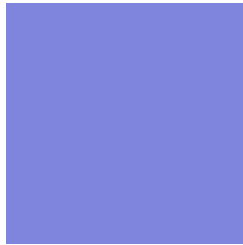
17.3727, 8.9501, 1.0767



1.1356, 0.5839, 0.1229

Previews

White Background



This preview shows how the XYZ color 30.0548, 26.2350, 71.8864 looks on a white background.

Color Contrast Check

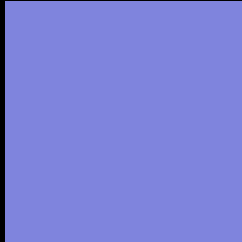
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0548, 26.2350, 71.8864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

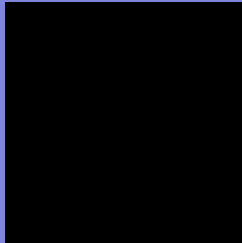
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0548, 26.2350, 71.8864

Background



This preview shows how black text looks on a background with the XYZ color 30.0548, 26.2350, 71.8864.



This preview shows how white text looks on a background with the XYZ color 30.0548, 26.2350,

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

30.0548, 26.2350, 71.8864

Protanopia

28.3620, 26.3308, 74.8217

Deuteranopia

27.0940, 26.4120, 70.6879



Tritanopia

22.9202, 26.3716, 35.7805

Trichromacy



Original Color

30.0548, 26.2350, 71.8864

Protanomaly

28.9286, 26.2205, 74.0574

Deuteranomaly

28.0483, 26.2468, 71.2980

Tritanomaly

25.0992, 26.1269, 46.9002

Monochromacy



Original Color

30.0548, 26.2350, 71.8864

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.4975, 26.3135, 41.7126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0548, 26.2350, 71.8864 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, 132, 221)` looks like.

```
.text, #text, p{  
    color:rgb(127, 132, 221)  
}
```

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, 132, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 132, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.0548, 26.2350, 71.8864 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, 132, 221) }
```


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

```
.border{ border-color:rgb(127, 132, 221) }
```

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

Here you see how a box with a 4 pixel rgb(127, 132, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 132, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 132, 221);  
box-shadow:4px 4px 4px 4px rgb(127, 132,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0548, 26.2350, 71.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 132, 221) }
```

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

```
.background{ background-color: rgb(127,  
132, 221) }
```

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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