

Converting Colors

XYZ(29.7245, 25.5535, 71.4769)

Have a look what the booklet for
XYZ(29.7245, 25.5535, 71.4769)
contains.

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Color

**XYZ(29.8035, 25.5102,
71.7598)**

Conversions

Conversions Part 1

Format	Color
Hex	8081DD
RGB	128, 129, 221
RGB Percent	50%, 51%, 87%
CMY	0.4980, 0.4941, 0.1333
CMYK	0.42, 0.42, 0.00, 0.13
HSL	239°, 58%, 68%
HSV	239°, 42%, 87%
XYZ	29.8035, 25.5102, 71.7598
YIQ	139.1890, -30.1280, 28.4000

Conversions

Conversions Part 2

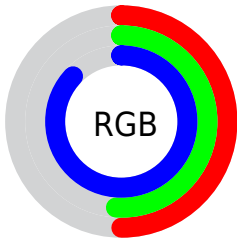
Format	Color
R_{YB}	128, 129, 221
Decimal	8421853
CIE _{Lab}	57.57, 22.58, -47.21
CIE _{LCh}	58, 52.327, 295.563
Yxy	25.5102, 0.2345, 0.2008
Android (android.graphics.Color)	4286611933 (0xFF8081DD)
YUV	139.1890, 40.3328, -9.8128
Hunter-Lab	50.5076, 16.9408, -48.8822

Details

The XYZ color **29.8035, 25.5102, 71.7598** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.3094, 68.1186, 30.4457**, and the grayscale version is **24.4721, 25.7465, 28.0380**.

A 20% lighter version of the original color is **54.5451, 50.8662, 101.5511**, and **12.3327, 9.8317, 36.8450** is the 20% darker color. If you saturate the color by 10%, you get **24.2559, 18.8233, 70.7620**, and if you desaturate by 10%, it is **36.6930, 33.8042, 72.9981**.

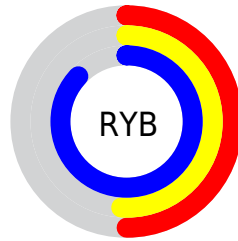
Distribution



Red (50%)

Green (51%)

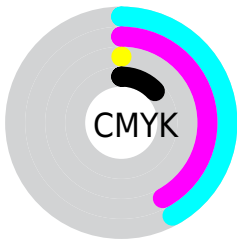
Blue (87%)



Red (50%)

Yellow (51%)

Blue (87%)

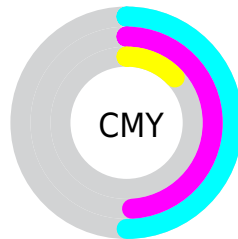


Cyan (42%)

Magenta (42%)

Yellow (0%)

Black (13%)



Cyan (50%)

Magenta (49%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8035, 25.5102, 71.7598 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 29.8035, 25.5102, 71.7598 by changing the saturation by 10% instead.

■ 29.8035, 25.5102,
71.7598

■ 29.8035, 25.5102,
71.7598

292.9137,
280.3693, 485.6602

■ 19.8368, 16.4576,
52.4768

■ 58.7401, 52.4837,
123.4195

■ 12.3841, 9.8485,
37.0004

■ 78.4406, 71.1734,
156.6333

■ 7.0799, 5.2986,
24.9120

■ 102.1165, 93.8442,
195.3279

■ 3.5589, 2.4235,
15.7931

130.1332,
120.8806, 239.9217

■ 1.4557, 0.8380,
9.2251

162.8558,
152.6669, 290.8333

■ 0.2954, 0.0000,
4.7895

200.6499,

■ 0.0000, 0.0000,

189.5875, 348.4812

2.0677

243.8808,
232.0269, 413.2840

■ 0.0000, 0.0000,
0.5965

■ 0.0000, 0.0000,
0.0000

■ 29.8035, 25.5102,
71.7598

■ 29.8035, 25.5102,
71.7598

■ 24.2559, 18.8233,
70.7620

■ 36.6930, 33.8042,
72.9981

■ 19.9602, 13.6369,
69.9873

■ 45.0008, 43.7972,
74.4891

■ 16.8198, 9.8361,
69.4192

■ 54.8011, 55.5772,
76.2463

■ 14.7231, 7.2880,
69.0379

■ 66.1620, 69.2256,
78.2819

■ 13.5362, 5.8337,
68.8197

■ 79.1475, 84.8186,
80.6073

■ 13.0770, 5.2720,
68.7355

■ 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.



23.3298, 25.5102, 78.0781



29.8035, 25.5102, 71.7598



35.5545, 25.5102, 52.1039

Triad

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



29.8035, 25.5102, 71.7598



31.6876, 25.5102, 7.9771



14.1404, 25.5102, 25.2006

Complementary

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



29.8035, 25.5102, 71.7598



59.3094, 68.1186, 30.4457

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.



15.6333, 25.5102, 12.5189



29.8035, 25.5102, 71.7598



25.1873, 25.5102, 5.6671

Square

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



29.8035, 25.5102, 71.7598



36.7667, 25.5102, 15.4269



19.4274, 25.5102, 6.8744



14.9504, 25.5102, 45.4064

Rectangle

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



29.8035, 25.5102, 71.7598



37.8272, 25.5102, 37.2587



19.4274, 25.5102, 6.8744



14.3812, 25.5102, 20.0569

Sweetspot

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



29.8045, 25.5111, 71.7604



74.3043, 75.0779, 105.1830



47.6050, 61.4411, 76.6797



15.2299, 15.2594, 22.3926



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.



29.8045, 25.5111, 71.7604



34.7100, 27.4364, 98.0741



37.9940, 29.5387, 72.1062



12.3499, 12.6395, 16.4409



7.6018, 3.0730, 39.9309



0.4965, 0.2072, 2.5883

Inverse Universe

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



41.5013, 32.3967, 24.8355



52.8478, 38.1497, 25.3014



47.6695, 62.5081, 29.9763



13.0617, 13.0538, 13.5862



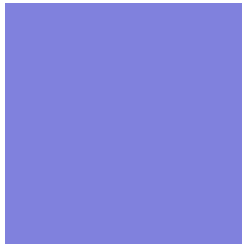
17.3324, 8.9340, 0.8644



1.1249, 0.5796, 0.0667

Previews

White Background



This preview shows how the XYZ color 29.8035, 25.5102, 71.7598 looks on a white background.

Color Contrast Check

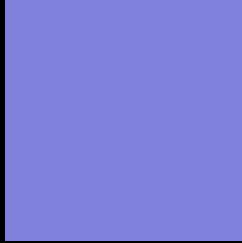
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8035, 25.5102, 71.7598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

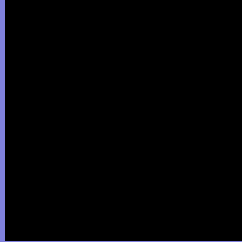
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8035, 25.5102, 71.7598

Background



This preview shows how black text looks on a background with the XYZ color 29.8035, 25.5102, 71.7598.

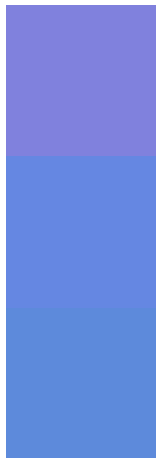


This preview shows how white text looks on a background with the XYZ color 29.8035, 25.5102,

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

29.8035, 25.5102, 71.7598

Protanopia

27.7583, 25.5856, 75.4270

Deuteranopia

26.3889, 25.6186, 70.5719



Tritanopia

22.2944, 25.3910, 34.7363

Trichromacy



Original Color

29.8035, 25.5102, 71.7598

Protanomaly

28.3976, 25.5364, 73.9533

Deuteranomaly

27.5261, 25.5594, 71.1928

Tritanomaly

24.5613, 25.2135, 46.2200

Monochromacy



Original Color

29.8035, 25.5102, 71.7598

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.8171, 25.3434, 41.0672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8035, 25.5102, 71.7598 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(128, 129, 221)` looks like.

```
.text, #text, p{  
    color:rgb(128, 129, 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(128, 129, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 129, 221) }
```

Border

The CSS property to change the border of an element to XYZ 29.8035, 25.5102, 71.7598 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(128, 129, 221) }
```


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

```
.border{ border-color:rgb(128, 129, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 129, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 129, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 129, 221);  
box-shadow:4px 4px 4px 4px rgb(128, 129,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8035, 25.5102, 71.7598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 129, 221) }
```

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

```
.background{ background-color: rgb(128,  
129, 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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