

Converting Colors

XYZ(29.5458, 25.3657, 67.7562)

Have a look what the booklet for
XYZ(29.5458, 25.3657, 67.7562)
contains.

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Color

**XYZ(29.5006, 25.2502,
67.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	8480D7
RGB	132, 128, 215
RGB Percent	52%, 50%, 84%
CMY	0.4823, 0.4980, 0.1569
CMYK	0.39, 0.40, 0.00, 0.16
HSL	243°, 52%, 67%
HSV	243°, 40%, 84%
XYZ	29.5006, 25.2502, 67.6089
YIQ	139.1140, -25.5430, 27.9050

Conversions

Conversions Part 2

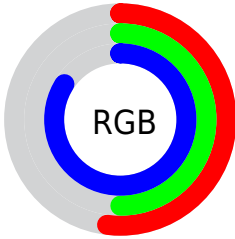
Format	Color
R_{YB}	132, 128, 215
Decimal	8683735
CIE _{Lab}	57.32, 22.51, -44.21
CIE _{LCh}	57, 49.613, 296.976
Yxy	25.2502, 0.2411, 0.2064
Android (android.graphics.Color)	4286873815 (0xFF8480D7)
YUV	139.1140, 37.4118, -6.2390
Hunter-Lab	50.2496, 16.8573, -44.5977

Details

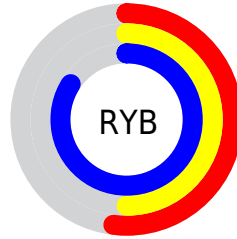
The XYZ color **29.5006, 25.2502, 67.6089** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.0610, 64.0087, 29.8758**, and the grayscale version is **24.4528, 25.7263, 28.0159**.

A 20% lighter version of the original color is **55.3129, 50.9591, 101.5285**, and **12.2830, 9.7497, 34.4922** is the 20% darker color. If you saturate the color by 10%, you get **24.0894, 18.7298, 66.6360**, and if you desaturate by 10%, it is **36.1384, 33.2858, 68.8106**.

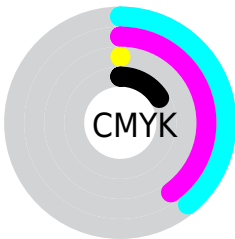
Distribution



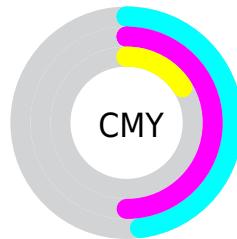
- Red (52%)
- Green (50%)
- Blue (84%)



- Red (52%)
- Yellow (50%)
- Blue (84%)



- Cyan (39%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)



- Cyan (48%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5006, 25.2502, 67.6089 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 29.5006, 25.2502, 67.6089 by changing the saturation by 10% instead.

■ 29.5006, 25.2502,
67.6089

■ 29.5006, 25.2502,
67.6089

291.5214,
279.0817, 470.6695

■ 19.6060, 16.2636,
49.1149

■ 58.2636, 52.0628,
117.4414

■ 12.2156, 9.7108,
34.3444

■ 77.8627, 70.6576,
149.6170

■ 6.9639, 5.2077,
22.8788

■ 101.4273, 93.2239,
187.1902

■ 3.4857, 2.3696,
14.2996

129.3229,
120.1461, 230.5796

■ 1.4155, 0.8102,
8.1882

161.9148,
151.8085, 280.2036

■ 0.2672, 0.0000,
4.1261

199.5682,

■ 0.0000, 0.0000,

188.5957, 336.4809

1.6948

242.6487,
230.8920, 399.8300

■ 0.0000, 0.0000,
0.3572

■ 0.0000, 0.0000,
0.0000

■ 29.5006, 25.2502,
67.6089

■ 29.5006, 25.2502,
67.6089

■ 24.0894, 18.7298,
66.6360

■ 36.1384, 33.2858,
68.8106

■ 19.8270, 13.6269,
65.8757

■ 44.0686, 42.9203,
70.2522

■ 16.6311, 9.8368,
65.3126

■ 53.3556, 54.2350,
71.9467

■ 14.4072, 7.2395,
64.9285

■ 64.0589, 67.3043,
73.9052

■ 13.0443, 5.6923,
64.7017

■ 76.2342, 82.1987,
76.1384

■ 12.3896, 4.9701,
64.5968

■ 89.2658, 97.6863,
78.4410

Harmonies

Analogous

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



23.4082, 25.2502, 74.1435



29.5006, 25.2502, 67.6089



34.7786, 25.2502, 49.1775

Triad

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



29.5006, 25.2502, 67.6089



30.7016, 25.2502, 8.3036



14.3893, 25.2502, 25.8206

Complementary

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



29.5006, 25.2502, 67.6089



55.0610, 64.0087, 29.8758

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.



15.7153, 25.2502, 13.3558



29.5006, 25.2502, 67.6089



24.6008, 25.2502, 6.1815

Square

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



29.5006, 25.2502, 67.6089



35.5478, 25.2502, 15.2682



19.2288, 25.2502, 7.5583



15.2700, 25.2502, 44.9466

Rectangle

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



29.5006, 25.2502, 67.6089



36.7820, 25.2502, 35.4525



19.2288, 25.2502, 7.5583



14.5858, 25.2502, 20.8243

Sweetspot

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



29.5016, 25.2511, 67.6095



76.1169, 76.8842, 105.4361



44.7370, 56.6331, 72.8638



15.8908, 15.9671, 22.4944



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.



29.5016, 25.2511, 67.6095



36.1595, 28.4157, 98.1867



37.5305, 29.3902, 67.9853



11.7949, 12.0357, 15.6390



7.4347, 2.9853, 38.6375



0.4674, 0.1899, 2.3313

Inverse Universe

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



47.5019, 34.5893, 65.8008



66.3678, 44.0940, 94.8434



44.4739, 58.5508, 29.3804



12.9272, 12.6224, 15.5569



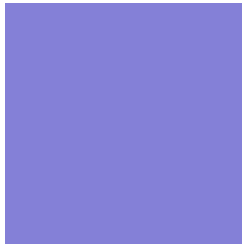
23.3722, 11.2852, 35.5935



1.4175, 0.6838, 2.1879

Previews

White Background



This preview shows how the XYZ color 29.5006, 25.2502, 67.6089 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 29.5006, 25.2502, 67.6089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

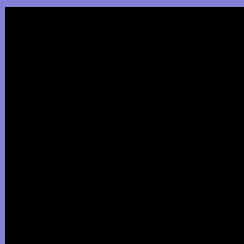
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5006, 25.2502, 67.6089

Background



This preview shows how black text looks on a background with the XYZ color 29.5006, 25.2502, 67.6089.



This preview shows how white text looks on a background with the XYZ color 29.5006, 25.2502,

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

29.5006, 25.2502, 67.6089

Protanopia

27.4240, 25.4915, 71.8816

Deuteranopia

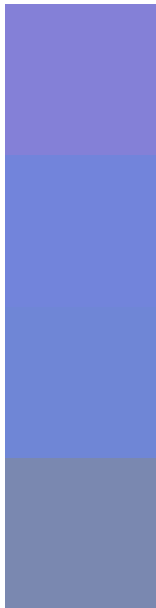
26.1015, 25.3481, 66.4678



Tritanopia

22.6108, 25.1316, 33.7962

Trichromacy



Original Color

29.5006, 25.2502, 67.6089

Protanomaly

27.9769, 25.1944, 70.4063

Deuteranomaly

27.2182, 25.2847, 67.0642

Tritanomaly

24.6667, 24.8805, 44.5766

Monochromacy



Original Color

29.5006, 25.2502, 67.6089

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.7924, 25.3522, 40.0933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5006, 25.2502, 67.6089 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(132, 128, 215)` looks like.

```
.text, #text, p{  
    color:rgb(132, 128, 215)  
}
```

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(132, 128, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 128, 215) }
```

Border

The CSS property to change the border of an element to XYZ 29.5006, 25.2502, 67.6089 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(132, 128, 215) }
```


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

```
.border{ border-color:rgb(132, 128, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 128, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 128, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 128, 215);  
box-shadow:4px 4px 4px 4px rgb(132, 128,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5006, 25.2502, 67.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 128, 215) }
```

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

```
.background{ background-color: rgb(132,  
128, 215) }
```

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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