

Converting Colors

XYZ(30.0369, 26.0069, 66.3879)

Have a look what the booklet for
XYZ(30.0369, 26.0069, 66.3879)
contains.

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Color

**XYZ(29.9845, 25.9203,
66.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	8782D5
RGB	135, 130, 213
RGB Percent	53%, 51%, 84%
CMY	0.4706, 0.4902, 0.1647
CMYK	0.37, 0.39, 0.00, 0.16
HSL	244°, 50%, 67%
HSV	244°, 39%, 84%
XYZ	29.9845, 25.9203, 66.3735
YIQ	140.9570, -23.6630, 26.8730

Conversions

Conversions Part 2

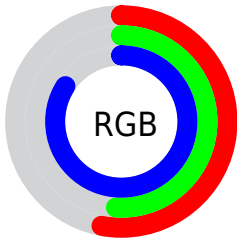
Format	Color
R _Y B	135, 130, 213
Decimal	8880853
CIE Lab	57.96, 21.58, -42.06
CIE LCh	58, 47.271, 297.156
Yxy	25.9203, 0.2452, 0.2120
Android (android.graphics.Color)	4287070933 (0xFF8782D5)
YUV	140.9570, 35.5172, -5.2243
Hunter-Lab	50.9120, 16.0312, -41.6575

Details

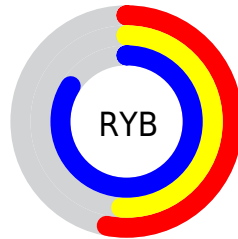
The XYZ color **29.9845, 25.9203, 66.3735** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **53.8364, 62.6106, 30.3676**, and the grayscale version is **25.1733, 26.4843, 28.8414**.

A 20% lighter version of the original color is **56.4693, 52.1633, 101.7000**, and **12.5073, 10.1028, 33.6386** is the 20% darker color. If you saturate the color by 10%, you get **24.5157, 19.3220, 65.3886**, and if you desaturate by 10%, it is **36.6471, 34.0055, 67.5834**.

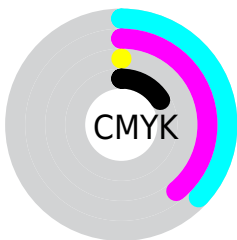
Distribution



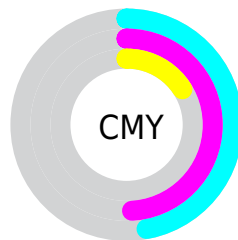
- Red (53%)
- Green (51%)
- Blue (84%)



- Red (53%)
- Yellow (51%)
- Blue (84%)



- Cyan (37%)
- Magenta (39%)
- Yellow (0%)
- Black (16%)



- Cyan (47%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9845, 25.9203, 66.3735 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 29.9845, 25.9203, 66.3735 by changing the saturation by 10% instead.

■ 29.9845, 25.9203,
66.3735

■ 29.9845, 25.9203,
66.3735

293.7433,
282.3906, 466.1521

■ 19.9748, 16.7640,
48.1173

■ 59.0245, 53.1463,
115.6543

■ 12.4849, 10.0664,
33.5591

■ 78.7855, 71.9849,
147.5160

■ 7.1494, 5.4430,
22.2805

■ 102.5276, 94.8197,
184.7500

■ 3.6028, 2.5095,
13.8629

130.6163,
122.0351, 227.7747

■ 1.4800, 0.8814,
7.8877

163.4169,
154.0155, 277.0087

■ 0.3122, 0.0000,
3.9364

201.2947,

■ 0.0000, 0.0000,

191.1452, 332.8706

1.5905

244.6150,
233.8088, 395.7789

■ 0.0000, 0.0000,
0.2840

■ 0.0000, 0.0000,
0.0000

■ 29.9845, 25.9203,
66.3735

■ 29.9845, 25.9203,
66.3735

■ 24.5157, 19.3220,
65.3886

■ 36.6471, 34.0055,
67.5834

■ 20.1673, 14.1171,
64.6132

■ 44.5653, 43.6574,
69.0291

■ 16.8625, 10.2065,
64.0325

■ 53.8000, 54.9537,
70.7228

■ 14.5132, 7.4763,
63.6294

■ 64.4075, 67.9662,
72.6754

■ 13.0172, 5.7930,
63.3833

■ 76.4406, 82.7621,
74.8971

■ 12.2296, 4.9527,
63.2626

■ 89.0103, 97.5841,
77.0955

■ 12.1738, 4.8884,
63.2531

Harmonies

Analogous

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



24.0966, 25.9203, 72.6092



29.9845, 25.9203, 66.3735



35.0385, 25.9203, 48.8973

Triad

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



29.9845, 25.9203, 66.3735



31.0711, 25.9203, 9.2135



15.2317, 25.9203, 26.6938

Complementary

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



29.9845, 25.9203, 66.3735



53.8364, 62.6106, 30.3676

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.



16.5285, 25.9203, 14.3932



29.9845, 25.9203, 66.3735



25.1843, 25.9203, 7.0489

Square

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



29.9845, 25.9203, 66.3735



35.7308, 25.9203, 16.1847



19.9655, 25.9203, 8.4946



16.1152, 25.9203, 45.1082

Rectangle

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



29.9845, 25.9203, 66.3735



36.9406, 25.9203, 35.7909



19.9655, 25.9203, 8.4946



15.4217, 25.9203, 21.8047

Sweetspot

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



29.9855, 25.9213, 66.3741



76.2537, 76.9547, 105.4425



43.9805, 55.0779, 71.2643



15.9227, 15.9836, 22.4959



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.



29.9855, 25.9213, 66.3741



37.9539, 30.3734, 98.4700



37.8191, 29.9597, 66.7407



11.8112, 12.0441, 15.6397



7.4652, 3.0010, 38.6389



0.4752, 0.1939, 2.3317

Inverse Universe

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



46.8090, 34.6663, 63.8990



66.8340, 45.3935, 93.8671



43.8346, 57.4545, 29.8996



12.9192, 12.6192, 15.5148



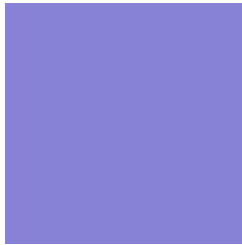
23.1560, 11.1987, 34.4549



1.4067, 0.6795, 2.1310

Previews

White Background



This preview shows how the XYZ color 29.9845, 25.9203, 66.3735 looks on a white background.

Color Contrast Check

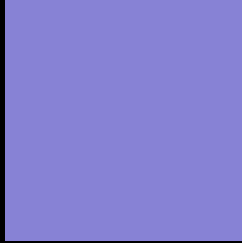
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9845, 25.9203, 66.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

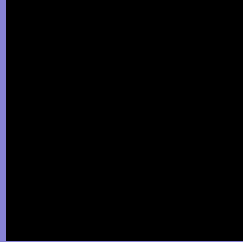
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9845, 25.9203, 66.3735

Background



This preview shows how black text looks on a background with the XYZ color 29.9845, 25.9203, 66.3735.



This preview shows how white text looks on a background with the XYZ color 29.9845, 25.9203,

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

29.9845, 25.9203, 66.3735

Protanopia

27.8970, 25.9740, 70.5610

Deuteranopia

26.8162, 26.1716, 65.2663



Tritanopia

23.5318, 25.8167, 34.3147

Trichromacy



Original Color

29.9845, 25.9203, 66.3735

Protanomaly

28.5207, 25.9115, 69.1439

Deuteranomaly

27.8903, 26.0748, 65.8503

Tritanomaly

25.5787, 25.7841, 44.1861

Monochromacy



Original Color

29.9845, 25.9203, 66.3735

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.5682, 26.1703, 40.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9845, 25.9203, 66.3735 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(135, 130, 213)` looks like.

```
.text, #text, p{  
    color:rgb(135, 130, 213)  
}
```

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(135, 130, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 130, 213) }
```

Border

The CSS property to change the border of an element to XYZ 29.9845, 25.9203, 66.3735 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(135, 130, 213) }
```


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

```
.border{ border-color:rgb(135, 130, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 130, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 130, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 130, 213);  
box-shadow:4px 4px 4px 4px rgb(135, 130,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9845, 25.9203, 66.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 130, 213) }
```

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

```
.background{ background-color: rgb(135,  
130, 213) }
```

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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