

Converting Colors

XYZ(45.0102, 26.0861, 84.8674)

Have a look what the booklet for
XYZ(45.0102, 26.0861, 84.8674)
contains.

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Color

**XYZ(45.1930, 26.1872,
85.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	D154F0
RGB	209, 84, 240
RGB Percent	82%, 33%, 94%
CMY	0.1804, 0.6706, 0.0588
CMYK	0.13, 0.65, 0.00, 0.06
HSL	288°, 84%, 64%
HSV	288°, 65%, 94%
XYZ	45.1930, 26.1872, 85.1108
YIQ	139.1590, 24.4240, 75.0160

Conversions

Conversions Part 2

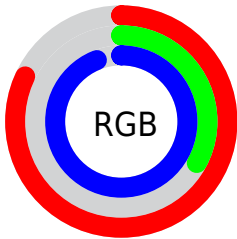
Format	Color
R _Y B	209, 84, 240
Decimal	13718768
CIE Lab	58.21, 70.36, -56.28
CIE LCh	58, 90.103, 321.347
Yxy	26.1872, 0.2888, 0.1673
Android (android.graphics.Color)	4291908848 (0xFFD154F0)
YUV	139.1590, 49.7146, 61.2506
Hunter-Lab	51.1734, 68.0859, -62.7887

Details

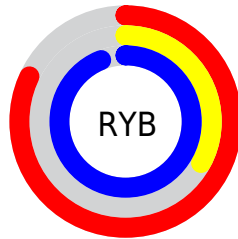
The XYZ color **45.1930, 26.1872, 85.1108** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **39.8313, 66.6057, 19.1453**, and the grayscale version is **24.4109, 25.6822, 27.9679**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **21.4294, 10.2376, 45.6463** is the 20% darker color. If you saturate the color by 10%, you get **42.3101, 22.3938, 84.5310**, and if you desaturate by 10%, it is **48.7562, 31.2792, 85.9063**.

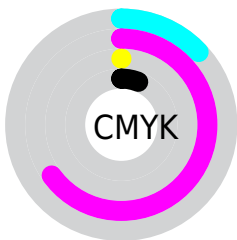
Distribution



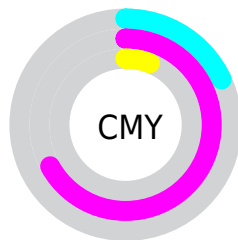
- Red (82%)
- Green (33%)
- Blue (94%)



- Red (82%)
- Yellow (33%)
- Blue (94%)



- Cyan (13%)
- Magenta (65%)
- Yellow (0%)
- Black (6%)





- Cyan (18%)
- Magenta (67%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1930, 26.1872, 85.1108 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 45.1930, 26.1872, 85.1108 by changing the saturation by 10% instead.


 45.1930, 26.1872,
85.1108

 45.1930, 26.1872,
85.1108


358.3252,
283.6998, 532.1488


 31.8114, 16.9637,
63.3823


 82.2452, 53.5768,
142.4035

 21.3723, 10.2086,
45.7075


 106.6466, 72.5117,
178.8048

 13.5104, 5.5375,
31.6681


 135.4519, 95.4526,
220.9340

 7.8604, 2.5660,
20.8454

 169.0265,
122.7838, 269.2097

 4.0568, 0.9096,
12.8209

207.7358,
154.8897, 324.0505

 1.7343, 0.0000,
7.1761

251.9451,

 0.4776, 0.0000,

192.1548, 385.8750

3.4923

302.0198,
234.9633, 455.1015

■ 0.0000, 0.0000,
1.3512

■ 0.0000, 0.0000,
0.1032

■ 45.1930, 26.1872,
85.1108

■ 45.1930, 26.1872,
85.1108

■ 42.3101, 22.3938,
84.5310

■ 48.7562, 31.2792,
85.9063

■ 40.0358, 19.7590,
84.1423


■ 53.0555, 37.7840,
86.9352


■ 38.2867, 18.1159,
83.9173


■ 58.1444, 45.8070,
88.2156


■ 37.5449, 17.5382,
83.8449


■ 64.0704, 55.4426,
89.7631

 70.8769, 66.7774,
91.5922

 78.6044, 79.8917,
93.7163

 87.2908, 94.8608,
96.1478

 89.9008, 97.6137,
96.5416

 91.6057, 98.4926,
96.6214

Harmonies

Analogous

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



33.3579, 26.1872, 129.4562



45.1930, 26.1872, 85.1108



52.0106, 26.1872, 38.5703

Triad

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



45.1930, 26.1872, 85.1108



28.1906, 26.1872, 0.7895



9.9905, 26.1872, 56.5400

Complementary

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



45.1930, 26.1872, 85.1108



39.8313, 66.6057, 19.1453

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.



9.3498, 26.1872, 20.3769



45.1930, 26.1872, 85.1108



17.9923, 26.1872, 1.1621

Square

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



45.1930, 26.1872, 85.1108



40.4739, 26.1872, 2.5997



11.8132, 26.1872, 5.0119



13.9289, 26.1872, 106.1631

Rectangle

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



45.1930, 26.1872, 85.1108



51.7305, 26.1872, 18.2285



11.8132, 26.1872, 5.0119



9.4395, 26.1872, 42.0820

Sweetspot

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



45.1941, 26.1883, 85.1114



78.0402, 71.1074, 104.2197



25.5388, 20.4843, 85.0463



16.2273, 14.4273, 22.1794



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.



45.1941, 26.1883, 85.1114



47.6334, 24.5773, 96.8411



48.7542, 28.7260, 53.5452



16.1286, 15.8635, 19.9335



20.6634, 9.6578, 45.9029



1.7963, 0.8433, 3.8223

Inverse Universe

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



42.2007, 26.1046, 19.0350



44.7531, 24.9357, 13.4301



38.9002, 65.8389, 32.0608



15.9012, 15.8102, 17.0359



19.9973, 10.2714, 2.6366



1.6977, 0.8681, 0.3992

Previews

White Background



This preview shows how the XYZ color 45.1930, 26.1872, 85.1108 looks on a white background.

Color Contrast Check

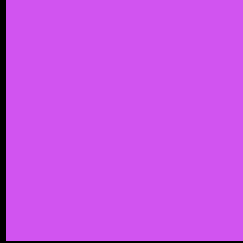
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1930, 26.1872, 85.1108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

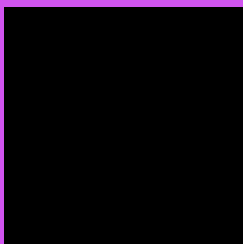
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.1930, 26.1872, 85.1108

Background



This preview shows how black text looks on a background with the XYZ color 45.1930, 26.1872, 85.1108.

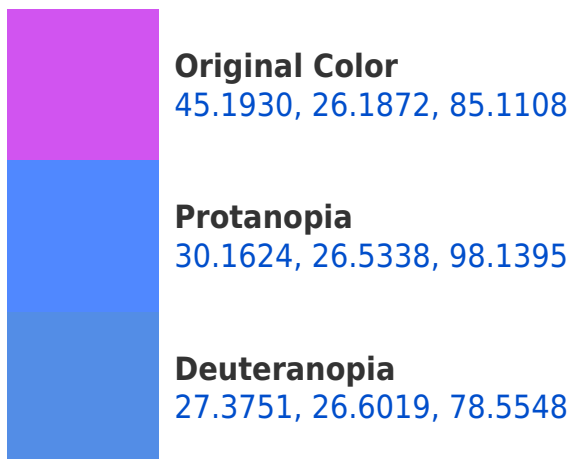


This preview shows how white text looks on a background with the XYZ color 45.1930, 26.1872,

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





Tritanopia

32.5573, 25.9585, 23.3732

Trichromacy



Original Color

45.1930, 26.1872, 85.1108



Protanomaly

32.3690, 24.1367, 93.3953



Deuteranomaly

30.6210, 24.0406, 80.8683



Tritanomaly

35.7751, 25.2773, 40.0392

Monochromacy



Original Color

45.1930, 26.1872, 85.1108



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

29.7431, 24.2208, 44.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1930, 26.1872, 85.1108 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(209, 84, 240)` looks like.

```
.text, #text, p{  
    color:rgb(209, 84, 240)  
}
```

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(209, 84, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 84, 240) }
```

Border

The CSS property to change the border of an element to XYZ 45.1930, 26.1872, 85.1108 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(209, 84, 240) }
```


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

```
.border{ border-color:rgb(209, 84, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 84, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 84, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 84, 240);  
box-shadow:4px 4px 4px 4px rgb(209, 84,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1930, 26.1872, 85.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 84, 240) }
```

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

```
.background{ background-color: rgb(209, 84,  
240) }
```

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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