

Converting Colors

XYZ(45.4664, 26.6945, 71.4757)

Have a look what the booklet for
XYZ(45.4664, 26.6945, 71.4757)
contains.

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Color

**XYZ(45.5131, 26.7775,
71.1764)**

Conversions

Conversions Part 1

Format	Color
Hex	DB55DD
RGB	219, 85, 221
RGB Percent	86%, 33%, 87%
CMY	0.1412, 0.6666, 0.1333
CMYK	0.01, 0.62, 0.00, 0.13
HSL	299°, 67%, 60%
HSV	299°, 62%, 87%
XYZ	45.5131, 26.7775, 71.1764
YIQ	140.5700, 36.2080, 70.7040

Conversions

Conversions Part 2

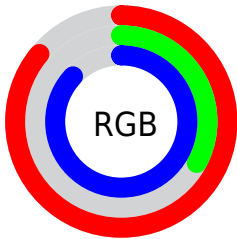
Format	Color
R_{YB}	219, 85, 221
Decimal	14374365
CIE _{Lab}	58.77, 68.90, -44.67
CIE _{LCh}	59, 82.110, 327.045
Yxy	26.7775, 0.3172, 0.1866
Android (android.graphics.Color)	4292564445 (0xFFDB55DD)
YUV	140.5700, 39.6520, 68.7831
Hunter-Lab	51.7470, 66.4392, -45.3287

Details

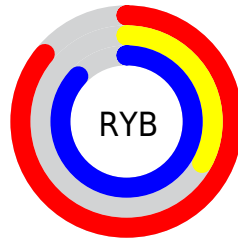
The XYZ color **45.5131, 26.7775, 71.1764** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.4274, 54.3956, 17.4385**, and the grayscale version is **24.9906, 26.2921, 28.6321**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **21.6209, 10.5566, 36.4954** is the 20% darker color. If you saturate the color by 10%, you get **43.9398, 23.7751, 70.6802**, and if you desaturate by 10%, it is **47.6317, 30.8687, 71.8548**.

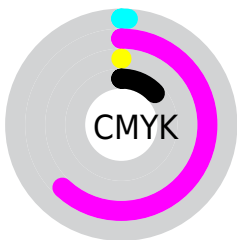
Distribution



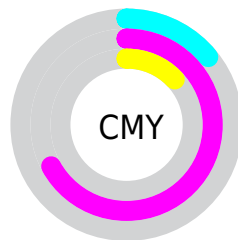
- Red (86%)
- Green (33%)
- Blue (87%)



- Red (86%)
- Yellow (33%)
- Blue (87%)



- Cyan (1%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)





- Cyan (14%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5131, 26.7775, 71.1764 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 45.5131, 26.7775, 71.1764 by changing the saturation by 10% instead.

 45.5131, 26.7775,
71.1764


 45.5131, 26.7775,
71.1764

359.5965,
286.5782, 483.5701


 32.0648, 17.4062,
52.0034


 82.7222, 54.5266,
122.5817


 21.5668, 10.5245,
36.6256


 107.2136, 73.6732,
155.6511

 13.6537, 5.7481,
24.6242


 136.1168, 96.8470,
194.1897

 7.9603, 2.6925,
15.5808

 169.7971,
124.4325, 238.6161

 4.1212, 0.9734,
9.0769

208.6199,
156.8139, 289.3488

 1.7709, 0.0000,
4.6939

252.9505,

 0.5000, 0.0000,

194.3757, 346.8063

2.0132

303.1542,
237.5024, 411.4072

■ 0.0000, 0.0000,
0.5634

■ 0.0000, 0.0000,
0.0000

■ 45.5131, 26.7775,
71.1764

■ 45.5131, 26.7775,
71.1764

■ 43.9398, 23.7751,
70.6802

■ 47.6317, 30.8687,
71.8548

■ 42.8563, 21.7527,
70.3469


■ 50.3384, 36.1366,
72.7289


■ 42.2007, 20.5860,
70.1563


■ 53.6751, 42.6642,
73.8130


■ 41.8906, 20.0878,
70.0764


■ 57.6791, 50.5262,
75.1195

 62.3849, 59.7913,
76.6598

 67.8243, 70.5236,
78.4447

 74.0276, 82.7831,
80.4841

 78.8131, 92.2070,
82.0508

 78.9125, 92.2583,
82.0555

Harmonies

Analogous

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



35.3609, 26.7775, 112.2501



45.5131, 26.7775, 71.1764



50.2413, 26.7775, 32.1232

Triad

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



45.5131, 26.7775, 71.1764



26.4672, 26.7775, 1.4049



11.7593, 26.7775, 62.5339

Complementary

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



45.5131, 26.7775, 71.1764



31.4274, 54.3956, 17.4385

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.



10.5475, 26.7775, 26.3777



45.5131, 26.7775, 71.1764



17.5909, 26.7775, 2.3621

Square

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



45.5131, 26.7775, 71.1764



37.5678, 26.7775, 2.9416



12.3688, 26.7775, 8.1376



16.2679, 26.7775, 105.3426

Rectangle

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



45.5131, 26.7775, 71.1764



48.9485, 26.7775, 15.6844



12.3688, 26.7775, 8.1376



11.0149, 26.7775, 48.7263

Sweetspot

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



45.5141, 26.7787, 71.1770



81.8672, 74.0023, 104.5767



20.2283, 14.0126, 70.0456



17.1335, 15.0733, 22.2564



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.



45.5141, 26.7787, 71.1770



60.2428, 31.8893, 97.5879



39.0070, 24.2458, 33.7532



13.5945, 13.2646, 16.4960



24.3438, 11.6739, 40.7086



1.5833, 0.7595, 2.6376

Inverse Universe

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



34.7884, 22.5583, 11.5384



44.2823, 25.6222, 8.2538



35.1680, 55.8706, 38.0966



13.0638, 13.0546, 13.5971



17.3361, 8.9355, 0.8842



1.1259, 0.5800, 0.0720

Previews

White Background



This preview shows how the XYZ color 45.5131, 26.7775, 71.1764 looks on a white background.

Color Contrast Check

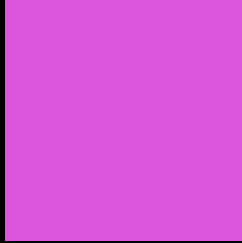
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5131, 26.7775, 71.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

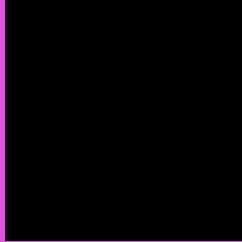
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.5131, 26.7775, 71.1764

Background



This preview shows how black text looks on a background with the XYZ color 45.5131, 26.7775, 71.1764.



This preview shows how white text looks on a background with the XYZ color 45.5131, 26.7775,

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

45.5131, 26.7775, 71.1764

Protanopia

30.8848, 27.3283, 98.2548

Deuteranopia

27.8389, 27.1182, 66.0544



Tritanopia

35.2623, 26.7052, 21.7084

Trichromacy



Original Color

45.5131, 26.7775, 71.1764



Protanomaly

32.6060, 24.7330, 87.8495



Deuteranomaly

31.6808, 25.0651, 67.4583



Tritanomaly

37.8858, 26.0180, 35.3729

Monochromacy



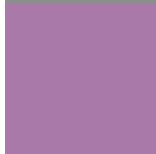
Original Color

45.5131, 26.7775, 71.1764



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

30.4553, 25.0120, 41.2528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5131, 26.7775, 71.1764 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(219, 85, 221)` looks like.

```
.text, #text, p{  
    color:rgb(219, 85, 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(219, 85, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 85, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.5131, 26.7775, 71.1764 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(219, 85, 221) }
```


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

```
.border{ border-color:rgb(219, 85, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 85, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 85, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 85, 221);  
box-shadow:4px 4px 4px 4px rgb(219, 85,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5131, 26.7775, 71.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 85, 221) }
```

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

```
.background{ background-color: rgb(219, 85,  
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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