

Converting Colors

XYZ(45.2460, 26.3796, 66.5474)

Have a look what the booklet for
XYZ(45.2460, 26.3796, 66.5474)
contains.

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Color

**XYZ(45.2791, 26.4192,
66.3313)**

Conversions

Conversions Part 1

Format	Color
Hex	DE52D6
RGB	222, 82, 214
RGB Percent	87%, 32%, 84%
CMY	0.1294, 0.6784, 0.1608
CMYK	0.00, 0.63, 0.04, 0.13
HSL	303°, 68%, 60%
HSV	303°, 63%, 87%
XYZ	45.2791, 26.4192, 66.3313
YIQ	138.9080, 41.0680, 70.7320

Conversions

Conversions Part 2

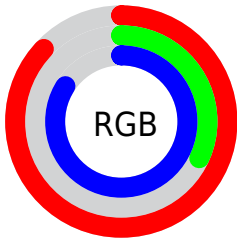
Format	Color
R _{YB}	222, 82, 214
Decimal	14570198
CIE Lab	58.43, 69.67, -41.21
CIE LCh	58, 80.947, 329.395
Yxy	26.4192, 0.3280, 0.1914
Android (android.graphics.Color)	4292760278 (0xFFDE52D6)
YUV	138.9080, 37.0204, 72.8717
Hunter-Lab	51.3996, 67.2954, -40.5341

Details

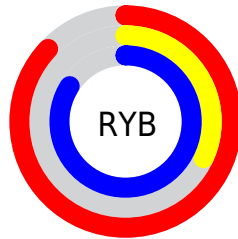
The XYZ color **45.2791, 26.4192, 66.3313** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.4476, 54.7757, 18.5898**, and the grayscale version is **24.3576, 25.6260, 27.9068**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **21.3623, 10.2897, 33.6611** is the 20% darker color. If you saturate the color by 10%, you get **43.7066, 23.5317, 65.0110**, and if you desaturate by 10%, it is **47.3961, 30.3922, 67.8398**.

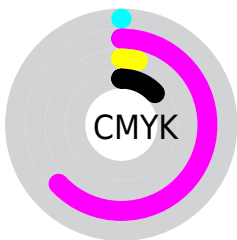
Distribution



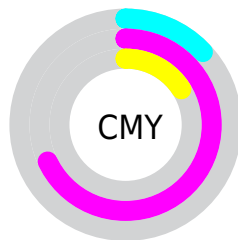
- Red (87%)
- Green (32%)
- Blue (84%)



- Red (87%)
- Yellow (32%)
- Blue (84%)



- Cyan (0%)
- Magenta (63%)
- Yellow (4%)
- Black (13%)





- Cyan (13%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2791, 26.4192, 66.3313 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 45.2791, 26.4192, 66.3313 by changing the saturation by 10% instead.


 45.2791, 26.4192,
66.3313


 45.2791, 26.4192,
66.3313

358.6675,
284.8339, 465.9973

 31.8795, 17.1375,
48.0832


 82.3736, 53.9505,
115.5932


 21.4246, 10.3326,
33.5323


 106.7992, 72.9688,
147.4442

 13.5490, 5.6200,
22.2601


 135.6308, 96.0015,
184.6665

 7.8872, 2.6154,
13.8480

 169.2339,
123.4329, 227.6787

 4.0741, 0.9344,
7.8775

207.9738,
155.6475, 276.8993

 1.7441, 0.0000,
3.9300

252.2157,

 0.4837, 0.0000,

193.0296, 332.7469

1.5870

302.3252,
235.9636, 395.6401

■ 0.0000, 0.0000,
0.2815

■ 0.0000, 0.0000,
0.0000

■ 45.2791, 26.4192,
66.3313

■ 45.2791, 26.4192,
66.3313

■ 43.7066, 23.5317,
65.0110

■ 47.3961, 30.3922,
67.8398

■ 42.6212, 21.6174,
63.8590


■ 50.1019, 35.5415,
69.5506


■ 41.9583, 20.5459,
62.8541


■ 53.4396, 41.9523,
71.4782


■ 41.6721, 20.1488,
62.2183


■ 57.4472, 49.7012,
73.6355

 62.1601, 58.8584,
76.0341

 67.6108, 69.4895,
78.6850

 73.8302, 81.6557,
81.5984

 79.3596, 92.4398,
84.2881

 79.5325, 92.5090,
85.1986

Harmonies

Analogous

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



35.6425, 26.4192, 107.0288



45.2791, 26.4192, 66.3313



49.3143, 26.4192, 29.3448

Triad

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



45.2791, 26.4192, 66.3313



25.3120, 26.4192, 1.4485



11.9245, 26.4192, 64.6083

Complementary

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



45.2791, 26.4192, 66.3313



31.4476, 54.7757, 18.5898

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.



10.4968, 26.4192, 28.1949



45.2791, 26.4192, 66.3313



16.8893, 26.4192, 2.6291

Square

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



45.2791, 26.4192, 66.3313



36.0835, 26.4192, 2.7475



12.0471, 26.4192, 8.9999



16.6238, 26.4192, 105.6541

Rectangle

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



45.2791, 26.4192, 66.3313



47.6437, 26.4192, 14.2119



12.0471, 26.4192, 8.9999



11.1108, 26.4192, 50.8925

Sweetspot

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



45.2801, 26.4204, 66.3318



81.0513, 72.7108, 102.0503



20.3232, 13.4337, 70.6300



16.9657, 14.8205, 21.6456



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.



45.2801, 26.4204, 66.3318



59.2371, 31.1459, 88.4173



38.2535, 23.6098, 29.3307



14.2594, 13.9214, 17.1363



24.7664, 11.9736, 37.0314



1.7271, 0.8341, 2.6219

Inverse Universe

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



45.2801, 26.4204, 66.3318



59.2371, 31.1459, 88.4173



35.8602, 56.5407, 41.8260



14.2594, 13.9214, 17.1363



24.7664, 11.9736, 37.0314



1.7271, 0.8341, 2.6219

Previews

White Background



This preview shows how the XYZ color 45.2791, 26.4192, 66.3313 looks on a white background.

Color Contrast Check

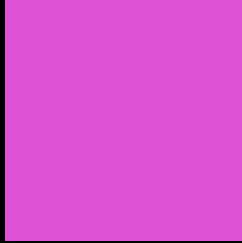
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2791, 26.4192, 66.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

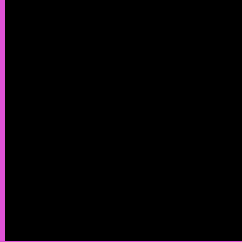
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2791, 26.4192, 66.3313

Background



This preview shows how black text looks on a background with the XYZ color 45.2791, 26.4192, 66.3313.

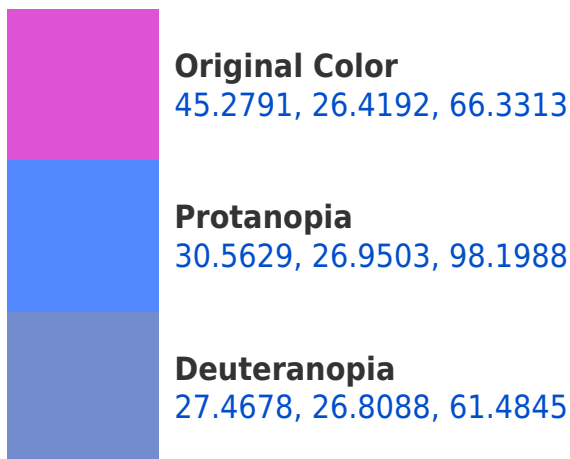


This preview shows how white text looks on a background with the XYZ color 45.2791, 26.4192,

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

35.7099, 26.3088, 20.3355

Trichromacy



Original Color

45.2791, 26.4192, 66.3313



Protanomaly

31.9210, 24.0822, 85.4040



Deuteranomaly

31.3084, 24.6177, 62.7761



Tritanomaly

38.3313, 25.8613, 33.1084

Monochromacy



Original Color

45.2791, 26.4192, 66.3313



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

29.7236, 24.1451, 39.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2791, 26.4192, 66.3313 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(222, 82, 214)` looks like.

```
.text, #text, p{  
    color:rgb(222, 82, 214)  
}
```

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(222, 82, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 82, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.2791, 26.4192, 66.3313 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(222, 82, 214) }
```


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

```
.border{ border-color:rgb(222, 82, 214) }
```

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

Here you see how a box with a 4 pixel rgb(222, 82, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 82, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 82, 214);  
box-shadow:4px 4px 4px 4px rgb(222, 82,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2791, 26.4192, 66.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 82, 214) }
```

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

```
.background{ background-color: rgb(222, 82,  
214) }
```

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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