

Converting Colors

XYZ(45.3059, 26.7772, 67.0926)

Have a look what the booklet for
XYZ(45.3059, 26.7772, 67.0926)
contains.

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Color

**XYZ(45.3330, 26.7754,
67.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	DD55D7
RGB	221, 85, 215
RGB Percent	87%, 33%, 84%
CMY	0.1333, 0.6666, 0.1569
CMYK	0.00, 0.62, 0.03, 0.13
HSL	303°, 67%, 60%
HSV	303°, 62%, 87%
XYZ	45.3330, 26.7754, 67.0688
YIQ	140.4840, 39.3260, 69.2620

Conversions

Conversions Part 2

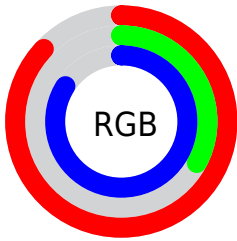
Format	Color
R _{YB}	221, 85, 215
Decimal	14505431
CIE Lab	58.77, 68.39, -41.26
CIE LCh	59, 79.874, 328.895
Yxy	26.7754, 0.3257, 0.1924
Android (android.graphics.Color)	4292695511 (0xFFDD55D7)
YUV	140.4840, 36.7364, 70.6125
Hunter-Lab	51.7450, 65.8276, -40.6268

Details

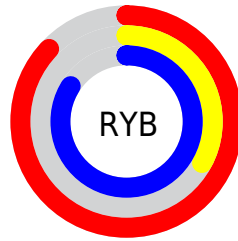
The XYZ color **45.3330, 26.7754, 67.0688** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.4923, 54.4006, 18.7396**, and the grayscale version is **24.9673, 26.2676, 28.6054**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **21.5809, 10.5875, 34.1639** is the 20% darker color. If you saturate the color by 10%, you get **43.7323, 23.7733, 65.9190**, and if you desaturate by 10%, it is **47.4795, 30.8665, 68.4046**.

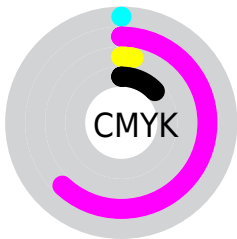
Distribution



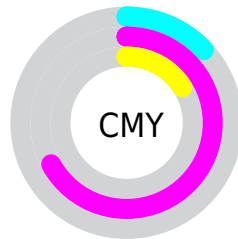
- Red (87%)
- Green (33%)
- Blue (84%)



- Red (87%)
- Yellow (33%)
- Blue (84%)



- Cyan (0%)
- Magenta (62%)
- Yellow (3%)
- Black (13%)





- Cyan (13%)
- Magenta (67%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3330, 26.7754, 67.0688 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 45.3330, 26.7754, 67.0688 by changing the saturation by 10% instead.


 45.3330, 26.7754,
67.0688

 45.3330, 26.7754,
67.0688


358.8816,
286.5680, 468.6978

 31.9222, 17.4046,
48.6786


 82.4539, 54.5232,
116.6606

 21.4573, 10.5234,
34.0008


 106.8947, 73.6691,
148.6992

 13.5731, 5.7473,
22.6168


 135.7428, 96.8421,
186.1244

 7.9040, 2.6921,
14.1082

 169.3637,
124.4266, 229.3547

 4.0849, 0.9732,
8.0564

208.1227,
156.8071, 278.8087

 1.7503, 0.0000,
4.0427

252.3851,

 0.4874, 0.0000,

194.3679, 334.9048

1.6488

302.5163,
237.4934, 398.0617

■ 0.0000, 0.0000,
0.3253

■ 0.0000, 0.0000,
0.0000

■ 45.3330, 26.7754,
67.0688

■ 45.3330, 26.7754,
67.0688

■ 43.7323, 23.7733,
65.9190

■ 47.4795, 30.8665,
68.4046

■ 42.6220, 21.7515,
64.9362


■ 50.2146, 36.1345,
69.9402


■ 41.9402, 20.5855,
64.0998


■ 53.5804, 42.6624,
71.6896


■ 41.6084, 20.0880,
63.4766


■ 57.6140, 50.5249,
73.6653

 62.3499, 59.7908,
75.8789

 67.8201, 70.5240,
78.3409

 74.0547, 82.7848,
81.0615

 78.8718, 92.2094,
83.3133

 79.0035, 92.2621,
84.0070

Harmonies

Analogous

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



35.7317, 26.7754, 106.9946



45.3330, 26.7754, 67.0688



49.4441, 26.7754, 30.2114

Triad

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



45.3330, 26.7754, 67.0688



25.8158, 26.7754, 1.6059



12.2171, 26.7754, 63.9637

Complementary

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



45.3330, 26.7754, 67.0688



31.4923, 54.4006, 18.7396

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.



10.8309, 26.7754, 28.1213



45.3330, 26.7754, 67.0688



17.3569, 26.7754, 2.7919

Square

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



45.3330, 26.7754, 67.0688



36.5300, 26.7754, 3.0164



12.4422, 26.7754, 9.1627



16.8718, 26.7754, 104.5274

Rectangle

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



45.3330, 26.7754, 67.0688



47.8788, 26.7754, 14.8900



12.4422, 26.7754, 9.1627



11.4161, 26.7754, 50.4608

Sweetspot

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



45.3340, 26.7766, 67.0693



81.7906, 74.0002, 102.8800



20.4721, 13.8691, 70.0055



17.1145, 15.0728, 21.8348



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.



45.3340, 26.7766, 67.0693



59.9439, 31.8868, 90.7272



38.4508, 24.0234, 30.8230



13.5883, 13.2644, 16.3590



24.1821, 11.6739, 36.9344



1.5745, 0.7594, 2.4341

Inverse Universe

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



45.3340, 26.7766, 67.0693



59.9439, 31.8868, 90.7272



35.7354, 56.0979, 41.0837



13.5883, 13.2644, 16.3590



24.1821, 11.6739, 36.9344



1.5745, 0.7594, 2.4341

Previews

White Background



This preview shows how the XYZ color 45.3330, 26.7754, 67.0688 looks on a white background.

Color Contrast Check

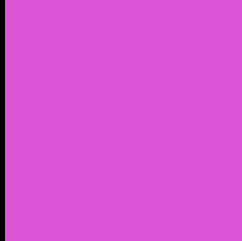
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3330, 26.7754, 67.0688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

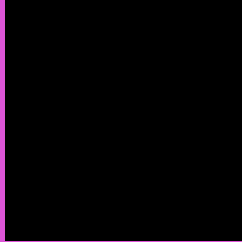
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.3330, 26.7754, 67.0688

Background



This preview shows how black text looks on a background with the XYZ color 45.3330, 26.7754, 67.0688.

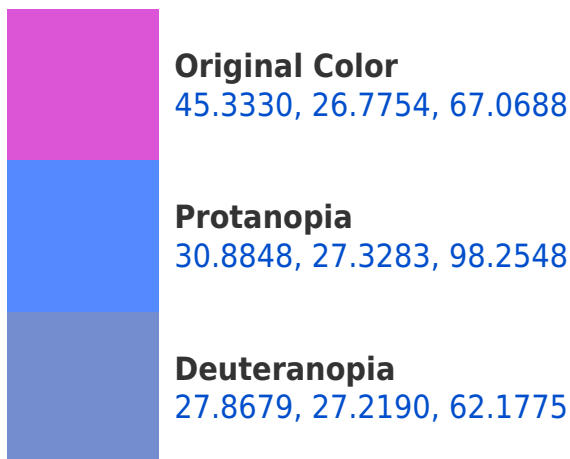


This preview shows how white text looks on a background with the XYZ color 45.3330, 26.7754,

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

35.7627, 26.6460, 21.0276

Trichromacy



Original Color

45.3330, 26.7754, 67.0688



Protanomaly

32.1565, 24.5533, 85.4825



Deuteranomaly

31.6724, 25.1482, 63.5064



Tritanomaly

38.3993, 26.1654, 34.0369

Monochromacy



Original Color

45.3330, 26.7754, 67.0688



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.0537, 24.6580, 39.7347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3330, 26.7754, 67.0688 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(221, 85, 215)` looks like.

```
.text, #text, p{  
    color:rgb(221, 85, 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(221, 85, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 85, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.3330, 26.7754, 67.0688 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(221, 85, 215) }
```


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

```
.border{ border-color:rgb(221, 85, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 85, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 85, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 85, 215);  
box-shadow:4px 4px 4px 4px rgb(221, 85,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3330, 26.7754, 67.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 85, 215) }
```

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

```
.background{ background-color: rgb(221, 85,  
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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