

Converting Colors

XYZ(44.9128, 25.8242, 67.4903)

Have a look what the booklet for
XYZ(44.9128, 25.8242, 67.4903)
contains.

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Color

**XYZ(45.0094, 25.9220,
67.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	DD4FD8
RGB	221, 79, 216
RGB Percent	87%, 31%, 85%
CMY	0.1333, 0.6902, 0.1529
CMYK	0.00, 0.64, 0.02, 0.13
HSL	302°, 68%, 59%
HSV	302°, 64%, 87%
XYZ	45.0094, 25.9220, 67.5969
YIQ	137.0760, 40.6550, 72.7110

Conversions

Conversions Part 2

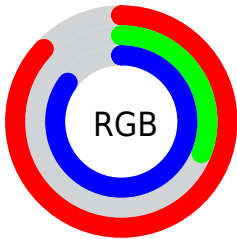
Format	Color
R _{YB}	221, 79, 216
Decimal	14503896
CIE _{Lab}	57.96, 70.92, -43.09
CIE _{LCh}	58, 82.985, 328.715
Yxy	25.9220, 0.3249, 0.1871
Android (android.graphics.Color)	4292693976 (0xFFDD4FD8)
YUV	137.0760, 38.9095, 73.6013
Hunter-Lab	50.9137, 68.7012, -43.0784

Details

The XYZ color **45.0094, 25.9220, 67.5969** 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 **30.6823, 54.0163, 17.1981**, and the grayscale version is **23.6547, 24.8866, 27.1015**.

A 20% lighter version of the original color is **68.2357, 46.3713, 99.9619**, and **21.3333, 10.2546, 34.5732** is the 20% darker color. If you saturate the color by 10%, you get **43.5720, 23.2071, 66.6227**, and if you desaturate by 10%, it is **46.9788, 29.6988, 68.7512**.

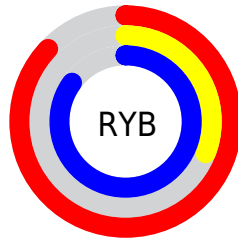
Distribution



Red (87%)

Green (31%)

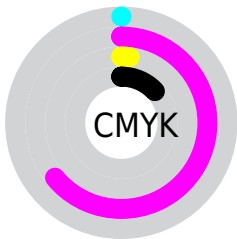
Blue (85%)



Red (87%)

Yellow (31%)

Blue (85%)

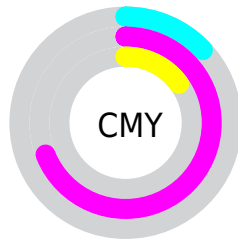


Cyan (0%)

Magenta (64%)

Yellow (2%)

Black (13%)



Cyan (13%)


Magenta (69%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0094, 25.9220, 67.5969 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 45.0094, 25.9220, 67.5969 by changing the saturation by 10% instead.


 45.0094, 25.9220,
67.5969


 45.0094, 25.9220,
67.5969


357.5947,
282.3990, 470.6257


 31.6661, 16.7653,
49.1052


 81.9715, 53.1491,
117.4240


 21.2609, 10.0673,
34.3368


 106.3210, 71.9883,
149.5966

 13.4284, 5.4436,
22.8730


 135.0701, 94.8237,
187.1665

 7.8032, 2.5098,
14.2953

 168.5839,
122.0398, 230.5524

 4.0200, 0.8815,
8.1853

207.2279,
154.0210, 280.1727

 1.7135, 0.0000,
4.1243

251.3675,

 0.4647, 0.0000,

191.1517, 336.4460

1.6938

301.3680,
233.8162, 399.7908

■ 0.0000, 0.0000,
0.3564

■ 0.0000, 0.0000,
0.0000

■ 45.0094, 25.9220,
67.5969

■ 45.0094, 25.9220,
67.5969

■ 43.5720, 23.2071,
66.6227

■ 46.9788, 29.6988,
68.7512

■ 42.6089, 21.4408,
65.8087


■ 49.5248, 34.6285,
70.0999


■ 42.0543, 20.4907,
65.1332


■ 52.6904, 40.7967,
71.6575


■ 41.8571, 20.1875,
64.7864


■ 56.5138, 48.2798,
73.4367

 61.0301, 57.1479,
75.4492

 66.2719, 67.4663,
77.7059

 72.2698, 79.2961,
80.2171

 78.7944, 92.1784,
82.9061

 78.8991, 92.2203,
83.4576

Harmonies

Analogous

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



35.0864, 25.9220, 109.3768



45.0094, 25.9220, 67.5969



49.3131, 25.9220, 29.4780

Triad

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



45.0094, 25.9220, 67.5969



25.0719, 25.9220, 1.2040



11.3233, 25.9220, 63.8390

Complementary

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



45.0094, 25.9220, 67.5969



30.6823, 54.0163, 17.1981

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.



9.9744, 25.9220, 27.0073



45.0094, 25.9220, 67.5969



16.5020, 25.9220, 2.2328

Square

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



45.0094, 25.9220, 67.5969



36.0405, 25.9220, 2.4683



11.5821, 25.9220, 8.1911



15.9367, 25.9220, 106.3574

Rectangle

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



45.0094, 25.9220, 67.5969



47.7224, 25.9220, 13.9791



11.5821, 25.9220, 8.1911



10.5388, 25.9220, 49.8538

Sweetspot

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



45.0104, 25.9232, 67.5974



81.2204, 72.7785, 102.9409



19.4807, 12.6863, 69.8294



17.0073, 14.8371, 21.8646



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.



45.0104, 25.9232, 67.5974



59.7425, 31.1347, 91.7369



37.7474, 23.0180, 29.3511



13.5935, 13.2665, 16.3868



24.3244, 11.7308, 37.6838



1.5822, 0.7625, 2.4747

Inverse Universe

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



45.0104, 25.9232, 67.5974



59.7425, 31.1347, 91.7369



34.9761, 55.7338, 39.8090



13.5935, 13.2665, 16.3868



24.3244, 11.7308, 37.6838



1.5822, 0.7625, 2.4747

Previews

White Background



This preview shows how the XYZ color 45.0094, 25.9220, 67.5969 looks on a white background.

Color Contrast Check

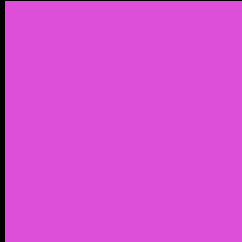
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.0094, 25.9220, 67.5969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

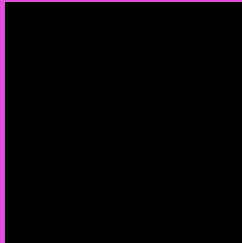
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.0094, 25.9220, 67.5969

Background



This preview shows how black text looks on a background with the XYZ color 45.0094, 25.9220, 67.5969.

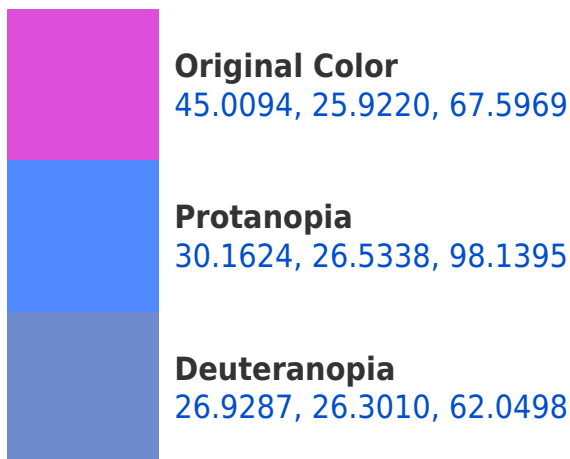


This preview shows how white text looks on a background with the XYZ color 45.0094, 25.9220,

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

35.1994, 25.8999, 19.6670

Trichromacy



Original Color

45.0094, 25.9220, 67.5969



Protanomaly

31.3680, 23.4376, 86.0897



Deuteranomaly

30.7566, 23.9550, 63.9755



Tritanomaly

37.7667, 25.2985, 32.5983

Monochromacy



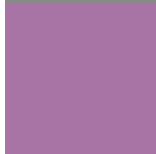
Original Color

45.0094, 25.9220, 67.5969



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

29.2768, 23.5688, 39.0826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0094, 25.9220, 67.5969 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, 79, 216)` looks like.

```
.text, #text, p{  
    color:rgb(221, 79, 216)  
}
```

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, 79, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 79, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.0094, 25.9220, 67.5969 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, 79, 216) }
```


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

```
.border{ border-color:rgb(221, 79, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 79, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 79, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 79, 216);  
box-shadow:4px 4px 4px 4px rgb(221, 79,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0094, 25.9220, 67.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 79, 216) }
```

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

```
.background{ background-color: rgb(221, 79,  
216) }
```

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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