

Converting Colors

XYZ(45.1496, 25.4580, 74.4418)

Have a look what the booklet for
XYZ(45.1496, 25.4580, 74.4418)
contains.

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Color

**XYZ(45.1570, 25.4286,
74.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	DA4BE2
RGB	218, 75, 226
RGB Percent	85%, 29%, 89%
CMY	0.1451, 0.7059, 0.1137
CMYK	0.04, 0.67, 0.00, 0.11
HSL	297°, 72%, 59%
HSV	297°, 67%, 89%
XYZ	45.1570, 25.4286, 74.4797
YIQ	134.9710, 36.7570, 77.2770

Conversions

Conversions Part 2

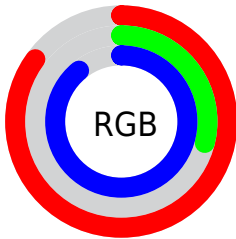
Format	Color
R _{YB}	218, 75, 226
Decimal	14306274
CIE _{Lab}	57.49, 73.38, -49.51
CIE _{LCh}	57, 88.522, 325.991
Yxy	25.4286, 0.3113, 0.1753
Android (android.graphics.Color)	4292496354 (0xFFDA4BE2)
YUV	134.9710, 44.8773, 72.8164
Hunter-Lab	50.4268, 71.5992, -52.2718

Details

The XYZ color **45.1570, 25.4286, 74.4797** 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 **32.0345, 56.7403, 15.9214**, and the grayscale version is **22.8491, 24.0391, 26.1786**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **21.5538, 10.2732, 38.8771** is the 20% darker color. If you saturate the color by 10%, you get **43.5309, 22.7052, 74.0401**, and if you desaturate by 10%, it is **47.3318, 29.2439, 75.1019**.

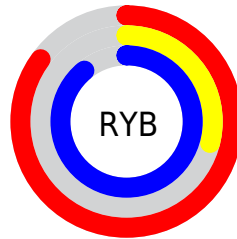
Distribution



Red (85%)

Green (29%)

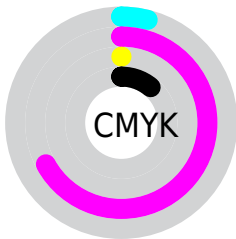
Blue (89%)



Red (85%)

Yellow (29%)

Blue (89%)

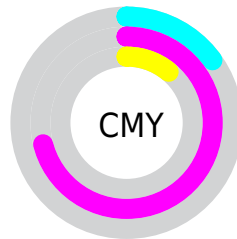


Cyan (4%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (15%)


Magenta (71%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1570, 25.4286, 74.4797 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 45.1570, 25.4286, 74.4797 by changing the saturation by 10% instead.

 45.1570, 25.4286,
74.4797

 45.1570, 25.4286,
74.4797

358.1820,
279.9657, 495.3349

 31.7829, 16.3967,
54.6876


 82.1916, 52.3517,
127.3159

 21.3505, 9.8053,
38.7547


 106.5828, 71.0116,
161.1971


 13.4944, 5.2700,
26.2626


 135.3770, 93.6497,
200.6116

 7.8492, 2.4066,
16.7927

 168.9397,
120.6503, 245.9782

 4.0496, 0.8293,
9.9264

 207.6362,
152.3978, 297.7153

 1.7302, 0.0000,
5.2452

251.8319,

 0.4751, 0.0000,

189.2766, 356.2414

2.3306

301.8920,
231.6711, 421.9751

■ 0.0000, 0.0000,
0.7483

■ 0.0000, 0.0000,
0.0000

■ 45.1570, 25.4286,
74.4797

■ 45.1570, 25.4286,
74.4797

■ 43.5309, 22.7052,
74.0401

■ 47.3318, 29.2439,
75.1019

■ 42.3899, 20.9490,
73.7612


■ 50.1041, 34.2513,
75.9223


■ 41.6571, 20.0053,
73.6177


■ 53.5208, 40.5434,
76.9567


■ 41.4673, 19.7914,
73.5864


■ 57.6231, 48.2030,
78.2189

 62.4489, 57.3057,
79.7216

 68.0333, 67.9218,
81.4764

 74.4091, 80.1167,
83.4942

 81.3492, 93.4363,
85.6993

 81.7295, 93.6323,
85.7171

Harmonies

Analogous

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



34.1806, 25.4286, 119.4603



45.1570, 25.4286, 74.4797



50.5402, 25.4286, 31.9457

Triad

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



45.1570, 25.4286, 74.4797



25.6135, 25.4286, 0.7562



10.1479, 25.4286, 61.6984

Complementary

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



45.1570, 25.4286, 74.4797



32.0345, 56.7403, 15.9214

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.



9.0674, 25.4286, 23.8254



45.1570, 25.4286, 74.4797



16.3326, 25.4286, 1.4256

Square

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



45.1570, 25.4286, 74.4797



37.3660, 25.4286, 2.0641



10.9631, 25.4286, 6.2611



14.5151, 25.4286, 109.0276

Rectangle

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



45.1570, 25.4286, 74.4797



49.3486, 25.4286, 14.5803



10.9631, 25.4286, 6.2611



9.4549, 25.4286, 46.9482

Sweetspot

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



45.1580, 25.4297, 74.4802



79.8959, 71.1569, 104.1314



19.8839, 13.4956, 73.5088



16.7152, 14.5027, 22.1683



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.



45.1580, 25.4297, 74.4802



56.6091, 28.8553, 97.1937



40.2759, 23.7599, 35.9830



14.2195, 13.8967, 17.3206



23.6896, 11.3078, 41.9824



1.6643, 0.7953, 2.9110

Inverse Universe

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



35.4423, 21.8265, 10.5297



43.2880, 23.9733, 6.8755



34.8646, 57.7955, 34.2984



13.7365, 13.7122, 14.3827



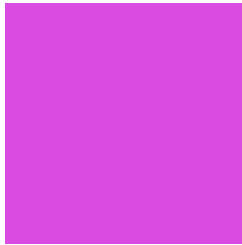
17.9443, 9.2447, 1.1063



1.2543, 0.6450, 0.1321

Previews

White Background



This preview shows how the XYZ color 45.1570, 25.4286, 74.4797 looks on a white background.

Color Contrast Check

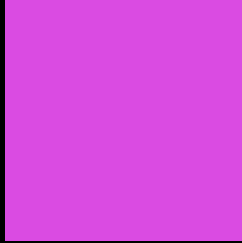
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1570, 25.4286, 74.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

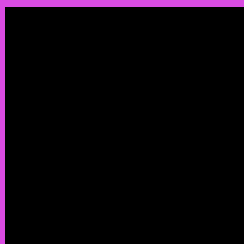
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.1570, 25.4286, 74.4797

Background



This preview shows how black text looks on a background with the XYZ color 45.1570, 25.4286, 74.4797.



This preview shows how white text looks on a background with the XYZ color 45.1570, 25.4286,

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

45.1570, 25.4286, 74.4797

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.5202, 25.7315, 68.5347



Tritanopia

33.8564, 25.2008, 19.9094

Trichromacy



Original Color

45.1570, 25.4286, 74.4797



Protanomaly

31.1363, 22.9311, 88.3730



Deuteranomaly

30.2043, 23.1796, 70.5923



Tritanomaly

36.9388, 24.6853, 34.7161

Monochromacy



Original Color

45.1570, 25.4286, 74.4797



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

28.4901, 22.6367, 39.9135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1570, 25.4286, 74.4797 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(218, 75, 226)` looks like.

```
.text, #text, p{  
    color:rgb(218, 75, 226)  
}
```

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(218, 75, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 75, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.1570, 25.4286, 74.4797 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(218, 75, 226) }
```


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

```
.border{ border-color:rgb(218, 75, 226) }
```

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

Here you see how a box with a 4 pixel rgb(218, 75, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 75, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 75, 226);  
box-shadow:4px 4px 4px 4px rgb(218, 75,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1570, 25.4286, 74.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 75, 226) }
```

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

```
.background{ background-color: rgb(218, 75,  
226) }
```

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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