

Converting Colors

XYZ(45.4790, 26.4720, 62.6931)

Have a look what the booklet for
XYZ(45.4790, 26.4720, 62.6931)
contains.

XYZ(45.3789, 26.4465, 62.3875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3789, 26.4465,
62.3875)**

Conversions

Conversions Part 1

Format	Color
Hex	E151D0
RGB	225, 81, 208
RGB Percent	88%, 32%, 82%
CMY	0.1176, 0.6823, 0.1843
CMYK	0.00, 0.64, 0.08, 0.12
HSL	307°, 71%, 60%
HSV	307°, 64%, 88%
XYZ	45.3789, 26.4465, 62.3875
YIQ	138.5340, 45.0570, 70.0250

Conversions

Conversions Part 2

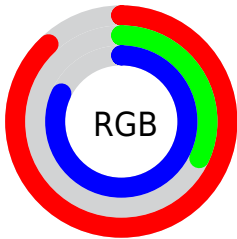
Format	Color
R _{YB}	225, 81, 208
Decimal	14766544
CIE _{Lab}	58.46, 69.85, -37.74
CIE _{LCh}	58, 79.390, 331.618
Yxy	26.4465, 0.3381, 0.1970
Android (android.graphics.Color)	4292956624 (0xFFE151D0)
YUV	138.5340, 34.2467, 75.8307
Hunter-Lab	51.4262, 67.5142, -35.9292

Details

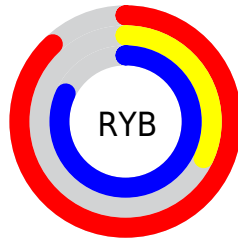
The XYZ color **45.3789, 26.4465, 62.3875** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.5244, 56.4826, 20.7452**, and the grayscale version is **24.2238, 25.4854, 27.7536**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **21.4757, 10.4069, 31.0138** is the 20% darker color. If you saturate the color by 10%, you get **43.6514, 23.5096, 60.2128**, and if you desaturate by 10%, it is **47.6674, 30.4954, 64.7767**.

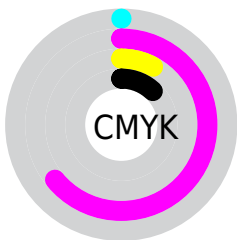
Distribution



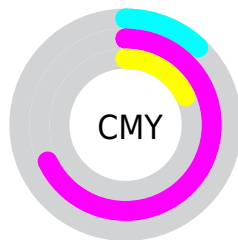
- Red (88%)
- Green (32%)
- Blue (82%)



- Red (88%)
- Yellow (32%)
- Blue (82%)



- Cyan (0%)
- Magenta (64%)
- Yellow (8%)
- Black (12%)





- Cyan (12%)
- Magenta (68%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3789, 26.4465, 62.3875 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 45.3789, 26.4465, 62.3875 by changing the saturation by 10% instead.


 45.3789, 26.4465,
62.3875


 45.3789, 26.4465,
62.3875

359.0639,
284.9671, 451.3898


 31.9585, 17.1580,
44.9081


 82.5223, 53.9944,
109.8624


 21.4852, 10.3472,
31.0426


 106.9760, 73.0225,
140.6950

 13.5936, 5.6298,
20.3726


 135.8382, 96.0660,
176.8156

 7.9184, 2.6213,
12.4794

 169.4742,
123.5092, 218.6430

 4.0941, 0.9374,
6.9446

208.2494,
155.7365, 266.5955

 1.7555, 0.0000,
3.3495

252.5292,

 0.4906, 0.0000,

193.1323, 321.0918

1.2758

302.6789,
236.0811, 382.5504

■ 0.0000, 0.0000,
0.0418

■ 0.0000, 0.0000,
0.0000

■ 45.3789, 26.4465,
62.3875

■ 45.3789, 26.4465,
62.3875

■ 43.6514, 23.5096,
60.2128

■ 47.6674, 30.4954,
64.7767

■ 42.4250, 21.5668,
58.2318


■ 50.5635, 35.7514,
67.3953


■ 41.6311, 20.4803,
56.4216


■ 54.1121, 42.3034,
70.2587


■ 41.2951, 20.1051,
55.3947


■ 58.3530, 50.2313,
73.3802

 63.3229, 59.6081,
76.7723

 69.0558, 70.5020,
80.4464

 75.5836, 82.9768,
84.4132

 80.9897, 93.1989,
88.0339

 81.3641, 93.3487,
90.0055

Harmonies

Analogous

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



36.2388, 26.4465, 102.4525



45.3789, 26.4465, 62.3875



48.7737, 26.4465, 27.3139

Triad

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



45.3789, 26.4465, 62.3875



24.6137, 26.4465, 1.6030



12.3628, 26.4465, 66.8638

Complementary

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



45.3789, 26.4465, 62.3875



32.5244, 56.4826, 20.7452

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.



10.7208, 26.4465, 30.3302



45.3789, 26.4465, 62.3875



16.5708, 26.4465, 3.0546

Square

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



45.3789, 26.4465, 62.3875



35.0873, 26.4465, 2.7290



12.0376, 26.4465, 10.1345



17.2712, 26.4465, 106.0074

Rectangle

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



45.3789, 26.4465, 62.3875



46.7721, 26.4465, 13.2577



12.0376, 26.4465, 10.1345



11.4772, 26.4465, 53.3019

Sweetspot

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



45.3798, 26.4477, 62.3880



80.5865, 72.5249, 99.6029



21.5499, 13.9082, 72.7835



16.8516, 14.7749, 21.0450



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.



45.3798, 26.4477, 62.3880



57.3257, 30.1679, 79.0103



38.4531, 23.6771, 25.9124



14.2217, 13.9063, 16.9376



23.8244, 11.5968, 32.0710



1.6714, 0.8118, 2.3282

Inverse Universe

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



45.3798, 26.4477, 62.3880



57.3257, 30.1679, 79.0103



37.5565, 58.4954, 47.2441



14.2217, 13.9063, 16.9376



23.8244, 11.5968, 32.0710



1.6714, 0.8118, 2.3282

Previews

White Background



This preview shows how the XYZ color 45.3789, 26.4465, 62.3875 looks on a white background.

Color Contrast Check

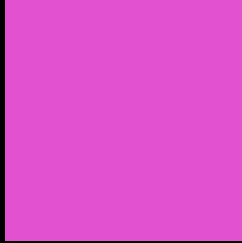
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3789, 26.4465, 62.3875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

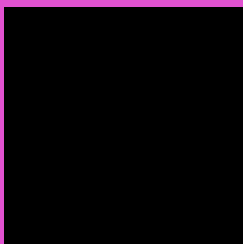
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.3789, 26.4465, 62.3875

Background



This preview shows how black text looks on a background with the XYZ color 45.3789, 26.4465, 62.3875.



This preview shows how white text looks on a background with the XYZ color 45.3789, 26.4465,

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

45.3789, 26.4465, 62.3875

Protanopia

30.5629, 26.9503, 98.1988

Deuteranopia

27.2872, 26.5818, 57.7254



Tritanopia

36.4814, 26.4100, 19.3945

Trichromacy



Original Color

45.3789, 26.4465, 62.3875



Protanomaly

31.7856, 24.0465, 83.8551



Deuteranomaly

31.2397, 24.4902, 58.9577



Tritanomaly

39.0059, 25.9654, 31.3897

Monochromacy



Original Color

45.3789, 26.4465, 62.3875



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

29.7568, 24.1833, 38.2214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3789, 26.4465, 62.3875 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(225, 81, 208)` looks like.

```
.text, #text, p{  
    color:rgb(225, 81, 208)  
}
```

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(225, 81, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 81, 208) }
```

Border

The CSS property to change the border of an element to XYZ 45.3789, 26.4465, 62.3875 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(225, 81, 208) }
```


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

```
.border{ border-color:rgb(225, 81, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 81, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 81, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 81, 208);  
box-shadow:4px 4px 4px 4px rgb(225, 81,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3789, 26.4465, 62.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 81, 208) }
```

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

```
.background{ background-color: rgb(225, 81,  
208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor