

Converting Colors

XYZ(46.7070, 25.8476, 70.0940)

Have a look what the booklet for
XYZ(46.7070, 25.8476, 70.0940)
contains.

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Color

**XYZ(46.7870, 25.8785,
70.2393)**

Conversions

Conversions Part 1

Format	Color
Hex	E346DC
RGB	227, 70, 220
RGB Percent	89%, 27%, 86%
CMY	0.1098, 0.7255, 0.1373
CMYK	0.00, 0.69, 0.03, 0.11
HSL	303°, 74%, 58%
HSV	303°, 69%, 89%
XYZ	46.7870, 25.8785, 70.2393
YIQ	134.0430, 45.4220, 79.9340

Conversions

Conversions Part 2

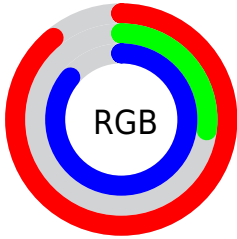
Format	Color
R _Y B	227, 70, 220
Decimal	14894812
CIE Lab	57.92, 76.16, -45.36
CIE LCh	58, 88.646, 329.223
Yxy	25.8785, 0.3274, 0.1811
Android (android.graphics.Color)	4293084892 (0xFFE346DC)
YUV	134.0430, 42.3768, 81.5233
Hunter-Lab	50.8709, 75.1459, -46.2542

Details

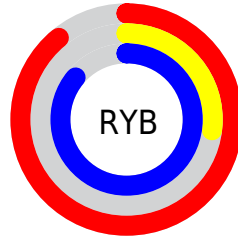
The XYZ color **46.7870, 25.8785, 70.2393** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.3356, 56.7773, 16.3303**, and the grayscale version is **22.5148, 23.6873, 25.7955**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **22.8493, 11.0052, 36.0419** is the 20% darker color. If you saturate the color by 10%, you get **45.4925, 23.5027, 69.1485**, and if you desaturate by 10%, it is **48.6206, 29.3297, 71.5142**.

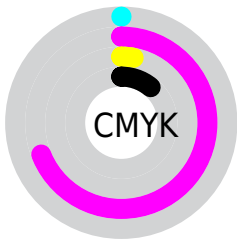
Distribution



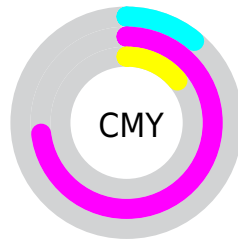
- Red (89%)
- Green (27%)
- Blue (86%)



- Red (89%)
- Yellow (27%)
- Blue (86%)



- Cyan (0%)
- Magenta (69%)
- Yellow (3%)
- Black (11%)




- Cyan (11%)
- Magenta (73%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7870, 25.8785, 70.2393 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 46.7870, 25.8785, 70.2393 by changing the saturation by 10% instead.


 46.7870, 25.8785,
70.2393


 46.7870, 25.8785,
70.2393


364.6268,
282.1851, 480.2016


 33.0745, 16.7328,
51.2436


 84.6163, 53.0789,
121.2343


 22.3431, 10.0441,
36.0245


 109.4638, 71.9023,
154.0706


 14.2272, 5.4282,
24.1633


 138.7537, 94.7204,
192.3577

 8.3616, 2.5006,
15.2414

 172.8514,
121.9176, 236.5139

 4.3809, 0.8770,
8.8405

 212.1222,
153.8783, 286.9579

 1.9198, 0.0000,
4.5419

256.9315,

 0.5883, 0.0000,

190.9868, 344.1081

1.9271

307.6445,
233.6277, 408.3832

■ 0.0000, 0.0000,
0.5099

■ 0.0000, 0.0000,
0.0000

■ 46.7870, 25.8785,
70.2393

■ 46.7870, 25.8785,
70.2393

■ 45.4925, 23.5027,
69.1485

■ 48.6206, 29.3297,
71.5142

■ 44.6700, 22.0704,
68.2189


■ 51.0445, 33.9611,
72.9897


■ 44.2194, 21.3804,
67.4171


■ 54.1073, 39.8688,
74.6821


■ 44.1876, 21.3346,
67.3520


■ 57.8516, 47.1383,
76.6058

 62.3165, 55.8477,
78.7737

 67.5381, 66.0691,
81.1979

 73.5500, 77.8699,
83.8895

 80.3839, 91.3132,
86.8592

 81.5974, 93.5145,
87.9595

Harmonies

Analogous

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



36.0426, 25.8785, 116.9371



46.7870, 25.8785, 70.2393



51.3643, 25.8785, 28.9817

Triad

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



46.7870, 25.8785, 70.2393



24.8760, 25.8785, 0.7849



10.6784, 25.8785, 67.7323

Complementary

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



46.7870, 25.8785, 70.2393



31.3356, 56.7773, 16.3303

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.



9.2502, 25.8785, 27.3879



46.7870, 25.8785, 70.2393



15.8737, 25.8785, 1.7102

Square

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



46.7870, 25.8785, 70.2393



36.6679, 25.8785, 1.8363



10.8387, 25.8785, 7.5295



15.5165, 25.8785, 114.8913

Rectangle

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



46.7870, 25.8785, 70.2393



49.5197, 25.8785, 12.9137



10.8387, 25.8785, 7.5295



9.8585, 25.8785, 52.3072

Sweetspot

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



46.7880, 25.8797, 70.2398



79.8996, 70.3106, 101.9649



18.9764, 11.4329, 73.8807



16.7468, 14.3564, 21.6537



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.



46.7880, 25.8797, 70.2398



58.6840, 29.6403, 89.4647



38.8481, 22.7038, 28.4292



14.9659, 14.6035, 18.0208



25.7820, 12.4470, 39.3423



1.9138, 0.9232, 2.9528

Inverse Universe

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



46.7880, 25.8797, 70.2398



58.6840, 29.6403, 89.4647



35.8067, 58.5657, 39.8745



14.9659, 14.6035, 18.0208



25.7820, 12.4470, 39.3423



1.9138, 0.9232, 2.9528

Previews

White Background



This preview shows how the XYZ color 46.7870, 25.8785, 70.2393 looks on a white background.

Color Contrast Check

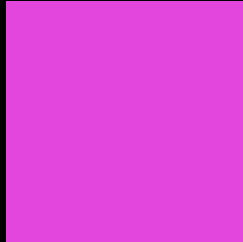
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7870, 25.8785, 70.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

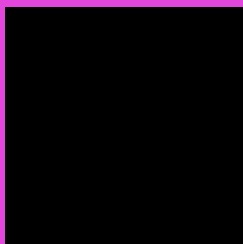
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.7870, 25.8785, 70.2393

Background



This preview shows how black text looks on a background with the XYZ color 46.7870, 25.8785, 70.2393.



This preview shows how white text looks on a background with the XYZ color 46.7870, 25.8785,

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

46.7870, 25.8785, 70.2393

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

26.8046, 26.1945, 63.9649



Tritanopia

36.0005, 25.7201, 18.3963

Trichromacy



Original Color

46.7870, 25.8785, 70.2393



Protanomaly

31.4940, 22.9857, 86.7812



Deuteranomaly

30.7901, 23.4180, 65.8481



Tritanomaly

38.6265, 24.9487, 32.0579

Monochromacy



Original Color

46.7870, 25.8785, 70.2393



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.6244, 22.4103, 38.4143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7870, 25.8785, 70.2393 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(227, 70, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 70, 220)  
}
```

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(227, 70, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 70, 220) }
```

Border

The CSS property to change the border of an element to XYZ 46.7870, 25.8785, 70.2393 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(227, 70, 220) }
```


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

```
.border{ border-color:rgb(227, 70, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 70, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 70, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 70, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 70,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7870, 25.8785, 70.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 70, 220) }
```

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

```
.background{ background-color: rgb(227, 70,  
220) }
```

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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