

Converting Colors

XYZ(46.2684, 25.7105, 70.8535)

Have a look what the booklet for
XYZ(46.2684, 25.7105, 70.8535)
contains.

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Color

**XYZ(46.3557, 25.7345,
70.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	E147DD
RGB	225, 71, 221
RGB Percent	88%, 28%, 87%
CMY	0.1176, 0.7215, 0.1333
CMYK	0.00, 0.68, 0.02, 0.12
HSL	302°, 72%, 58%
HSV	302°, 68%, 88%
XYZ	46.3557, 25.7345, 70.9306
YIQ	134.1460, 43.6340, 79.2980

Conversions

Conversions Part 2

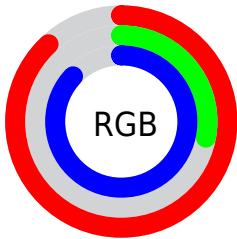
Format	Color
R _Y B	225, 71, 221
Decimal	14763997
CIE Lab	57.78, 75.54, -46.16
CIE LCh	58, 88.526, 328.571
Yxy	25.7345, 0.3241, 0.1799
Android (android.graphics.Color)	4292954077 (0xFFE147DD)
YUV	134.1460, 42.8190, 79.6790
Hunter-Lab	50.7292, 74.3350, -47.3901

Details

The XYZ color **46.3557, 25.7345, 70.9306** 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 **30.7950, 55.6991, 15.7861**, and the grayscale version is **22.5514, 23.7259, 25.8375**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **22.5174, 10.8236, 36.4997** is the 20% darker color. If you saturate the color by 10%, you get **45.1030, 23.3528, 70.1296**, and if you desaturate by 10%, it is **48.1401, 29.1776, 71.9105**.

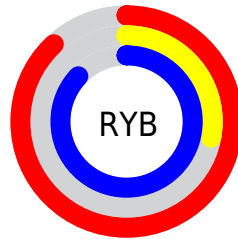
Distribution



Red (88%)

Green (28%)

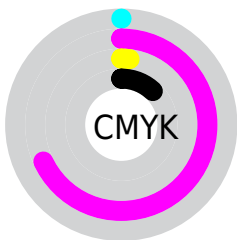
Blue (87%)



Red (88%)

Yellow (28%)

Blue (87%)

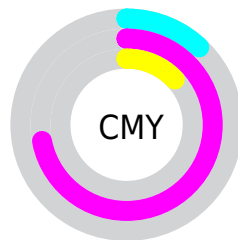


Cyan (0%)

Magenta (68%)

Yellow (2%)

Black (12%)



Cyan (12%)

Magenta (72%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3557, 25.7345, 70.9306 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 46.3557, 25.7345, 70.9306 by changing the saturation by 10% instead.

 46.3557, 25.7345,
70.9306


 46.3557, 25.7345,
70.9306


362.9289,
281.4763, 482.6879


 32.7324, 16.6251,
51.8041


 83.9757, 52.8463,
122.2284


 22.0798, 9.9676,
36.4678


 108.7031, 71.6176,
155.2368


 14.0325, 5.3775,
24.5031


 137.8626, 94.3782,
193.7096

 8.2251, 2.4704,
15.4916

 171.8196,
121.5126, 238.0653

 4.2923, 0.8618,
9.0147

 210.9393,
153.4053, 288.7224

 1.8688, 0.0000,
4.6538

255.5872,

 0.5586, 0.0000,

190.4405, 346.0995

1.9905

306.1286,
233.0027, 410.6152

■ 0.0000, 0.0000,
0.5494

■ 0.0000, 0.0000,
0.0000

■ 46.3557, 25.7345,
70.9306

■ 46.3557, 25.7345,
70.9306

■ 45.1030, 23.3528,
70.1296

■ 48.1401, 29.1776,
71.9105

■ 44.3172, 21.9052,
69.4854

■ 50.5056, 33.7834,
73.0854

■ 43.9085, 21.2114,
68.9682

■ 53.4994, 39.6453,
74.4709

■ 43.8584, 21.1304,
68.8922

■ 57.1630, 46.8464,
76.0811

61.5344, 55.4625,
77.9286

66.6486, 65.5638,
80.0250

72.5385, 77.2161,
82.3813

79.2348, 90.4808,
85.0078

80.5751, 93.0331,
85.8503

Harmonies

Analogous

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



35.5861, 25.7345, 117.1861



46.3557, 25.7345, 70.9306



51.0877, 25.7345, 29.5052

Triad

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



46.3557, 25.7345, 70.9306



24.9729, 25.7345, 0.7781



10.5495, 25.7345, 66.3390

Complementary

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



46.3557, 25.7345, 70.9306



30.7950, 55.6991, 15.7861

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.



9.1958, 25.7345, 26.5865



46.3557, 25.7345, 70.9306



15.9343, 25.7345, 1.6476

Square

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



46.3557, 25.7345, 70.9306



36.7313, 25.7345, 1.8783



10.8431, 25.7345, 7.2472



15.2802, 25.7345, 113.4390

Rectangle

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



46.3557, 25.7345, 70.9306



49.3798, 25.7345, 13.2146



10.8431, 25.7345, 7.2472



9.7575, 25.7345, 51.0837

Sweetspot

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



46.3567, 25.7357, 70.9311



80.0585, 70.3741, 102.8018



18.6359, 11.3828, 72.4500



16.7852, 14.3718, 21.8561



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.



46.3567, 25.7357, 70.9311



59.4006, 30.0812, 92.7627



38.4501, 22.5731, 29.2959



14.2788, 13.9292, 17.2386



25.2800, 12.1790, 39.7360



1.7572, 0.8462, 2.7803

Inverse Universe

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



46.3567, 25.7357, 70.9311



59.4006, 30.0812, 92.7627



35.0758, 57.4115, 38.3287



14.2788, 13.9292, 17.2386



25.2800, 12.1790, 39.7360



1.7572, 0.8462, 2.7803

Previews

White Background



This preview shows how the XYZ color 46.3557, 25.7345, 70.9306 looks on a white background.

Color Contrast Check

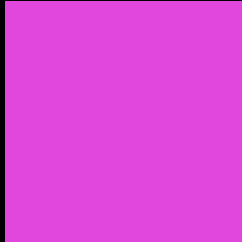
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3557, 25.7345, 70.9306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

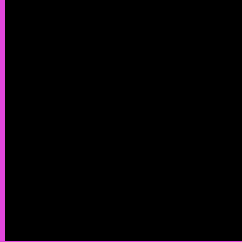
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.3557, 25.7345, 70.9306

Background



This preview shows how black text looks on a background with the XYZ color 46.3557, 25.7345, 70.9306.

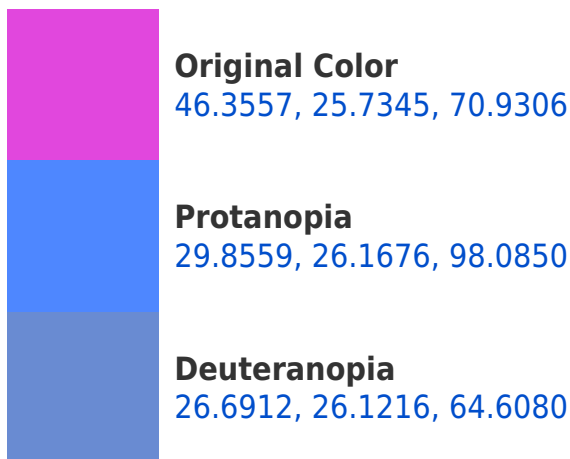


This preview shows how white text looks on a background with the XYZ color 46.3557, 25.7345,

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

35.5752, 25.6465, 18.6980

Trichromacy



Original Color

46.3557, 25.7345, 70.9306



Protanomaly

31.3319, 22.8847, 87.5598



Deuteranomaly

30.5493, 23.2792, 66.5015



Tritanomaly

38.1971, 24.8474, 32.4886

Monochromacy



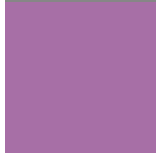
Original Color

46.3557, 25.7345, 70.9306



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.5037, 22.3375, 38.8857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3557, 25.7345, 70.9306 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, 71, 221)` looks like.

```
.text, #text, p{  
    color:rgb(225, 71, 221)  
}
```

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, 71, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 71, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.3557, 25.7345, 70.9306 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, 71, 221) }
```


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

```
.border{ border-color:rgb(225, 71, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 71, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 71, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 71, 221);  
box-shadow:4px 4px 4px 4px rgb(225, 71,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3557, 25.7345, 70.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 71, 221) }
```

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

```
.background{ background-color: rgb(225, 71,  
221) }
```

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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