

Converting Colors

XYZ(46.5098, 25.2745, 79.7734)

Have a look what the booklet for
XYZ(46.5098, 25.2745, 79.7734)
contains.

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Color

**XYZ(46.5339, 25.2697,
79.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	DD43E9
RGB	221, 67, 233
RGB Percent	87%, 26%, 91%
CMY	0.1333, 0.7372, 0.0863
CMYK	0.05, 0.71, 0.00, 0.09
HSL	296°, 79%, 59%
HSV	296°, 71%, 91%
XYZ	46.5339, 25.2697, 79.5157
YIQ	131.9700, 38.4980, 84.2740

Conversions

Conversions Part 2

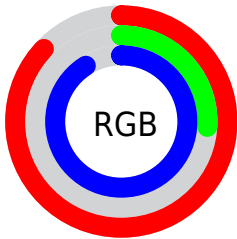
Format	Color
R _Y B	221, 67, 233
Decimal	14500841
CIE Lab	57.34, 77.97, -53.66
CIE LCh	57, 94.650, 325.462
Yxy	25.2697, 0.3075, 0.1670
Android (android.graphics.Color)	4292690921 (0xFFDD43E9)
YUV	131.9700, 49.8078, 78.0793
Hunter-Lab	50.2690, 77.2664, -58.5969

Details

The XYZ color **46.5339, 25.2697, 79.5157** 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 **33.3774, 60.3460, 15.2002**, and the grayscale version is **21.7395, 22.8716, 24.9072**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **22.7368, 10.8160, 41.9636** is the 20% darker color. If you saturate the color by 10%, you get **44.9068, 22.7722, 79.1198**, and if you desaturate by 10%, it is **48.7249, 28.8857, 80.0985**.

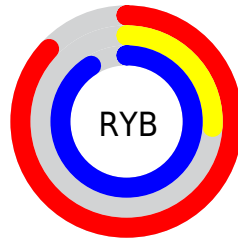
Distribution



Red (87%)

Green (26%)

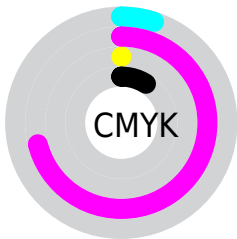
Blue (91%)



Red (87%)

Yellow (26%)

Blue (91%)

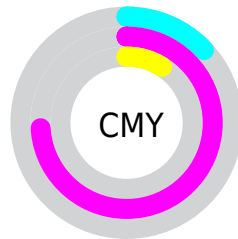


Cyan (5%)

Magenta (71%)

Yellow (0%)

Black (9%)



Cyan (13%)


Magenta (74%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5339, 25.2697, 79.5157 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 46.5339, 25.2697, 79.5157 by changing the saturation by 10% instead.


 46.5339, 25.2697,
79.5157


 46.5339, 25.2697,
79.5157


363.6310,
279.1784, 512.9629


 32.8737, 16.2781,
58.7961


 84.2404, 52.0944,
134.4899


 22.1885, 9.7212,
42.0301


 109.0175, 70.6963,
169.5815


 14.1129, 5.2145,
28.7991


 138.2310, 93.2705,
210.3008

 8.2814, 2.3736,
18.6846

 172.2462,
120.2012, 257.0665

 4.3289, 0.8123,
11.2681

 211.4284,
151.8730, 310.2970

 1.8898, 0.0000,
6.1310

256.1430,

 0.5709, 0.0000,

188.6702, 370.4109

2.8548

306.7555,
230.9772, 437.8266

■ 0.0000, 0.0000,
1.0210

■ 0.0000, 0.0000,
0.0000

■ 46.5339, 25.2697,
79.5157

■ 46.5339, 25.2697,
79.5157

■ 44.9068, 22.7722,
79.1198

■ 48.7249, 28.8857,
80.0985


■ 43.7693, 21.2469,
78.8853


■ 51.5365, 33.7360,
80.8866


■ 43.0736, 20.5062,
78.7790


■ 55.0217, 39.9258,
81.8976


■ 59.2269, 47.5482,
83.1472

 64.1947, 56.6877,
84.6495

 69.9639, 67.4226,
86.4175

 76.5711, 79.8255,
88.4633

 84.0503, 93.9647,
90.7982

 85.1132, 95.2635,
90.9929

Harmonies

Analogous

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



34.5383, 25.2697, 129.4982



46.5339, 25.2697, 79.5157



52.5831, 25.2697, 32.6986

Triad

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



46.5339, 25.2697, 79.5157



25.7659, 25.2697, 0.3149



9.3304, 25.2697, 63.5428

Complementary

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



46.5339, 25.2697, 79.5157



33.3774, 60.3460, 15.2002

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.



8.2919, 25.2697, 22.9093



46.5339, 25.2697, 79.5157



15.8857, 25.2697, 0.9369

Square

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



46.5339, 25.2697, 79.5157



38.4439, 25.2697, 1.5504



10.2691, 25.2697, 5.2472



13.7452, 25.2697, 116.2473

Rectangle

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



46.5339, 25.2697, 79.5157



51.3898, 25.2697, 14.1106



10.2691, 25.2697, 5.2472



8.6479, 25.2697, 47.4927

Sweetspot

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



46.5349, 25.2708, 79.5162



78.8719, 69.7366, 103.9113



19.9539, 12.9379, 78.5367



16.4983, 14.2176, 22.1247



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.



46.5349, 25.2708, 79.5162



54.4600, 27.0308, 96.9549



42.2981, 24.0134, 37.4504



15.6011, 15.2551, 19.0445



24.4861, 11.6590, 44.7028



1.9550, 0.9321, 3.5118

Inverse Universe

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



37.0235, 21.9035, 9.6748



42.6051, 22.9278, 5.6599



35.9104, 61.2541, 33.2870



15.1096, 15.0717, 15.8627



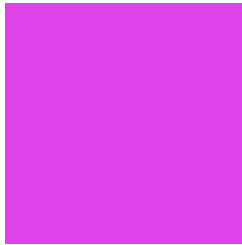
19.1410, 9.8591, 1.2779



1.5185, 0.7804, 0.1817

Previews

White Background



This preview shows how the XYZ color 46.5339, 25.2697, 79.5157 looks on a white background.

Color Contrast Check

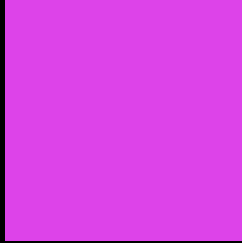
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5339, 25.2697, 79.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

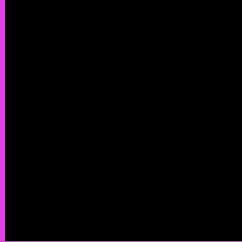
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.5339, 25.2697, 79.5157

Background



This preview shows how black text looks on a background with the XYZ color 46.5339, 25.2697, 79.5157.



This preview shows how white text looks on a background with the XYZ color 46.5339, 25.2697,

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

46.5339, 25.2697, 79.5157

Protanopia

29.3991, 25.7260, 98.0239

Deuteranopia

26.3931, 25.5747, 72.6526



Tritanopia

34.0843, 25.0186, 19.2523

Trichromacy



Original Color

46.5339, 25.2697, 79.5157



Protanomaly

31.1168, 22.3793, 90.6753



Deuteranomaly

29.8382, 22.3977, 74.7020



Tritanomaly

37.1501, 24.1200, 35.0453

Monochromacy



Original Color

46.5339, 25.2697, 79.5157



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.8338, 21.4822, 40.2156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5339, 25.2697, 79.5157 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, 67, 233)` looks like.

```
.text, #text, p{  
    color:rgb(221, 67, 233)  
}
```

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, 67, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 67, 233) }
```

Border

The CSS property to change the border of an element to XYZ 46.5339, 25.2697, 79.5157 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, 67, 233) }
```


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

```
.border{ border-color:rgb(221, 67, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 67, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 67, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 67, 233);  
box-shadow:4px 4px 4px 4px rgb(221, 67,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5339, 25.2697, 79.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 67, 233) }
```

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

```
.background{ background-color: rgb(221, 67,  
233) }
```

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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