

Converting Colors

XYZ(46.0112, 24.9227, 73.5174)

Have a look what the booklet for
XYZ(46.0112, 24.9227, 73.5174)
contains.

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Color

**XYZ(45.9123, 24.9048,
73.6214)**

Conversions

Conversions Part 1

Format	Color
Hex	DF41E1
RGB	223, 65, 225
RGB Percent	87%, 25%, 88%
CMY	0.1255, 0.7451, 0.1176
CMYK	0.01, 0.71, 0.00, 0.12
HSL	299°, 73%, 57%
HSV	299°, 71%, 88%
XYZ	45.9123, 24.9048, 73.6214
YIQ	130.4820, 42.8080, 83.2560

Conversions

Conversions Part 2

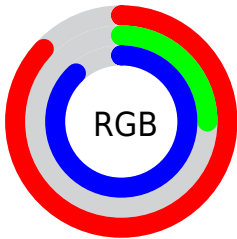
Format	Color
R _{YB}	223, 65, 225
Decimal	14631393
CIE _{Lab}	56.98, 77.73, -49.71
CIE _{LCh}	57, 92.269, 327.402
Y _{xy}	24.9048, 0.3179, 0.1724
Android (android.graphics.Color)	4292821473 (0xFFDF41E1)
YUV	130.4820, 46.5974, 81.1383
Hunter-Lab	49.9047, 76.8866, -52.5337

Details

The XYZ color **45.9123, 24.9048, 73.6214** 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 **30.1949, 55.4259, 14.1090**, and the grayscale version is **21.2196, 22.3246, 24.3115**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **22.4713, 10.7571, 38.4281** is the 20% darker color. If you saturate the color by 10%, you get **44.7821, 22.7720, 73.2696**, and if you desaturate by 10%, it is **47.5587, 28.0680, 74.1455**.

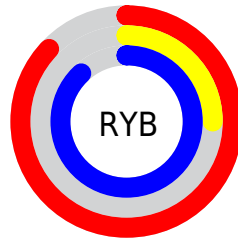
Distribution



Red (87%)

Green (25%)

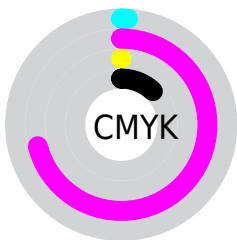
Blue (88%)



Red (87%)

Yellow (25%)

Blue (88%)

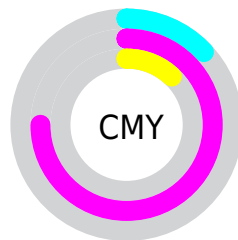


Cyan (1%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (13%)


Magenta (75%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9123, 24.9048, 73.6214 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 45.9123, 24.9048, 73.6214 by changing the saturation by 10% instead.


 45.9123, 24.9048,
73.6214


 45.9123, 24.9048,
73.6214


361.1778,
277.3635, 492.2941

 32.3810, 16.0061,
53.9893


 83.3164, 51.5027,
126.0881


 21.8096, 9.5285,
38.2000

 107.9199, 69.9708,
159.7597

 13.8329, 5.0875,
25.8349


 136.9447, 92.3975,
198.9483

 8.0854, 2.2987,
16.4755

 170.7564,
119.1671, 244.0723

 4.2019, 0.7730,
9.7033

 209.7202,
150.6642, 295.5504

 1.8170, 0.0000,
5.0996

254.2014,

 0.5279, 0.0000,

187.2730, 353.8010

2.2461

304.5655,
229.3780, 419.2427

■ 0.0000, 0.0000,
0.7008

■ 0.0000, 0.0000,
0.0000

■ 45.9123, 24.9048,
73.6214

■ 45.9123, 24.9048,
73.6214

■ 44.7821, 22.7720,
73.2696

■ 47.5587, 28.0680,
74.1455


■ 44.0999, 21.5359,
73.0670


■ 49.7728, 32.3675,
74.8587


■ 43.7729, 20.9958,
72.9800


■ 52.6033, 37.8993,
75.7773


■ 56.0928, 44.7490,
76.9155

 60.2801, 52.9940,
78.2862

 65.2010, 62.7059,
79.9015

 70.8888, 73.9517,
81.7723

 77.3750, 86.7937,
83.9092

 80.5680, 93.0494,
84.9484

Harmonies

Analogous

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



34.6097, 24.9048, 122.0339



45.9123, 24.9048, 73.6214



51.1709, 24.9048, 29.9118

Triad

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



45.9123, 24.9048, 73.6214



24.6280, 24.9048, 0.4245



9.5767, 24.9048, 64.8783

Complementary

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



45.9123, 24.9048, 73.6214



30.1949, 55.4259, 14.1090

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.



8.3650, 24.9048, 24.5022



45.9123, 24.9048, 73.6214



15.3209, 24.9048, 1.1528

Square

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



45.9123, 24.9048, 73.6214



36.7592, 24.9048, 1.5145



10.1025, 24.9048, 6.0037



14.1297, 24.9048, 114.8113

Rectangle

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



45.9123, 24.9048, 73.6214



49.6286, 24.9048, 12.9030



10.1025, 24.9048, 6.0037



8.8396, 24.9048, 49.1562

Sweetspot

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



45.9133, 24.9059, 73.6219



80.0360, 70.3367, 103.9657



17.8186, 10.6553, 72.3520



16.7797, 14.3627, 22.1378



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.



45.9133, 24.9059, 73.6219



59.0018, 29.3722, 97.1674



38.2615, 21.9168, 30.0942



14.2772, 13.9265, 17.3233



25.2318, 12.1028, 42.0546



1.7544, 0.8417, 2.9152

Inverse Universe

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



33.9555, 20.1944, 7.4195



42.3406, 22.8221, 4.2675



34.0137, 56.9379, 34.9216



13.7142, 13.7033, 14.2650



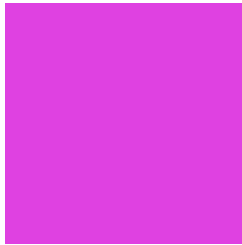
17.9052, 9.2291, 0.9008



1.2436, 0.6407, 0.0755

Previews

White Background



This preview shows how the XYZ color 45.9123, 24.9048, 73.6214 looks on a white background.

Color Contrast Check

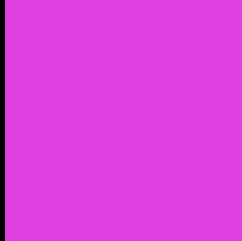
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9123, 24.9048, 73.6214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

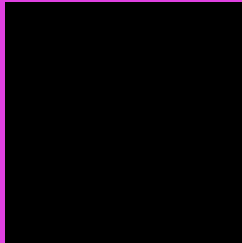
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.9123, 24.9048, 73.6214

Background



This preview shows how black text looks on a background with the XYZ color 45.9123, 24.9048, 73.6214.



This preview shows how white text looks on a background with the XYZ color 45.9123, 24.9048,

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

45.9123, 24.9048, 73.6214

Protanopia

29.1100, 25.3728, 97.9709

Deuteranopia

25.9071, 25.2332, 67.1234



Tritanopia

34.3979, 24.7500, 18.0032

Trichromacy



Original Color

45.9123, 24.9048, 73.6214



Protanomaly

30.4441, 21.7688, 88.1852



Deuteranomaly

29.4947, 22.1816, 69.0566



Tritanomaly

37.3480, 24.0264, 32.3749

Monochromacy



Original Color

45.9123, 24.9048, 73.6214



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

27.2554, 20.9172, 38.1982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9123, 24.9048, 73.6214 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(223, 65, 225)` looks like.

```
.text, #text, p{  
    color:rgb(223, 65, 225)  
}
```

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(223, 65, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 65, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.9123, 24.9048, 73.6214 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(223, 65, 225) }
```


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

```
.border{ border-color:rgb(223, 65, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 65, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 65, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 65, 225);  
box-shadow:4px 4px 4px 4px rgb(223, 65,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9123, 24.9048, 73.6214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 65, 225) }
```

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

```
.background{ background-color: rgb(223, 65,  
225) }
```

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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