

Converting Colors

XYZ(45.1054, 24.5742, 82.9984)

Have a look what the booklet for
XYZ(45.1054, 24.5742, 82.9984)
contains.

XYZ(45.2313, 24.6034, 83.2539)	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(45.2313, 24.6034,
83.2539)**

Conversions

Conversions Part 1

Format	Color
Hex	D644EE
RGB	214, 68, 238
RGB Percent	84%, 27%, 93%
CMY	0.1608, 0.7333, 0.0667
CMYK	0.10, 0.71, 0.00, 0.07
HSL	292°, 83%, 60%
HSV	292°, 71%, 93%
XYZ	45.2313, 24.6034, 83.2539
YIQ	131.0340, 32.4460, 83.8220

Conversions

Conversions Part 2

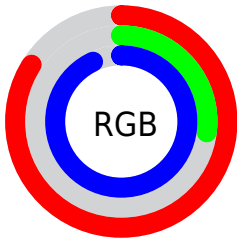
Format	Color
R _Y B	214, 68, 238
Decimal	14042350
CIE Lab	56.69, 77.06, -57.56
CIE LCh	57, 96.185, 323.240
Yxy	24.6034, 0.2955, 0.1607
Android (android.graphics.Color)	4292232430 (0xFFD644EE)
YUV	131.0340, 52.7342, 72.7612
Hunter-Lab	49.6018, 75.9688, -64.7937

Details

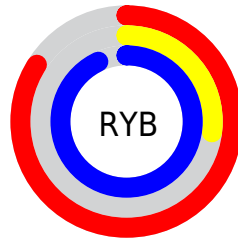
The XYZ color **45.2313, 24.6034, 83.2539** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light muted magenta. A complement of this color would be **36.0323, 63.8423, 15.8934**, and the grayscale version is **21.3964, 22.5107, 24.5142**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **21.8581, 10.3048, 44.5530** is the 20% darker color. If you saturate the color by 10%, you get **43.1026, 21.7859, 82.8226**, and if you desaturate by 10%, it is **47.9660, 28.6010, 83.8818**.

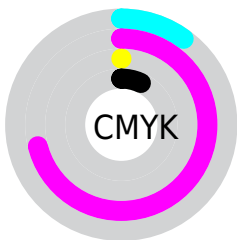
Distribution



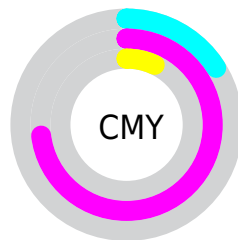
- Red (84%)
- Green (27%)
- Blue (93%)



- Red (84%)
- Yellow (27%)
- Blue (93%)



- Cyan (10%)
- Magenta (71%)
- Yellow (0%)
- Black (7%)





- Cyan (16%)
- Magenta (73%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2313, 24.6034, 83.2539 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 45.2313, 24.6034, 83.2539 by changing the saturation by 10% instead.

 45.2313, 24.6034,
83.2539


 45.2313, 24.6034,
83.2539


358.4775,
275.8570, 525.8255


 31.8417, 15.7818,
61.8578


 82.3023, 51.0131,
139.7834


 21.3956, 9.3699,
44.4828


 106.7145, 69.3700,
175.7539


 13.5276, 4.9832,
30.7102


 135.5315, 91.6741,
217.4197

 7.8723, 2.2374,
20.1217

 169.1188,
118.3099, 265.1991

 4.0645, 0.7403,
12.2986

 207.8417,
149.6617, 319.5109

 1.7387, 0.0000,
6.8224

252.0655,

 0.4803, 0.0000,

186.1138, 380.7735

3.2745

302.1557,
228.0508, 449.4055

■ 0.0000, 0.0000,
1.2364

■ 0.0000, 0.0000,
0.0088

■ 45.2313, 24.6034,
83.2539

■ 45.2313, 24.6034,
83.2539

■ 43.1026, 21.7859,
82.8226

■ 47.9660, 28.6010,
83.8818


■ 41.5011, 19.9939,
82.5612

■ 51.3669, 33.9017,
84.7256

■ 40.4448, 19.0673,
82.4380


■ 55.4900, 40.6164,
85.8044


■ 60.3845, 48.8434,
87.1344

 66.0952, 58.6721,
88.7306

 72.6635, 70.1850,
90.6066

 80.1277, 83.4587,
92.7753

 87.4278, 96.3729,
94.8832

 88.5846, 96.9693,
94.9373

Harmonies

Analogous

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



32.9542, 24.6034, 132.8307



45.2313, 24.6034, 83.2539



51.9554, 24.6034, 34.7248

Triad

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



45.2313, 24.6034, 83.2539



26.0126, 24.6034, 0.1552



8.6526, 24.6034, 59.2427

Complementary

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



45.2313, 24.6034, 83.2539



36.0323, 63.8423, 15.8934

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.



7.8549, 24.6034, 20.1648



45.2313, 24.6034, 83.2539



15.8743, 24.6034, 0.6541

Square

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



45.2313, 24.6034, 83.2539



38.7872, 24.6034, 1.5301



10.0260, 24.6034, 4.2343



12.7186, 24.6034, 112.8182

Rectangle

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



45.2313, 24.6034, 83.2539



51.2389, 24.6034, 14.9995



10.0260, 24.6034, 4.2343



8.0610, 24.6034, 43.5450

Sweetspot

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



45.2323, 24.6045, 83.2544



77.5549, 69.0577, 103.8496



21.7758, 15.3198, 82.6986



16.1806, 14.0538, 22.1098



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.



45.2323, 24.6045, 83.2544



49.4251, 24.3175, 96.6965



45.4139, 25.5467, 44.9218



16.2221, 15.9117, 19.9379



22.6477, 10.6807, 45.9958



1.9437, 0.9193, 3.8292

Inverse Universe

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



39.2595, 23.0849, 12.5128



42.8647, 22.9048, 7.4185



36.8227, 63.9240, 30.6491



15.8637, 15.7952, 16.8384



19.8570, 10.2152, 1.8977



1.6799, 0.8610, 0.3051

Previews

White Background



This preview shows how the XYZ color 45.2313, 24.6034, 83.2539 looks on a white background.

Color Contrast Check

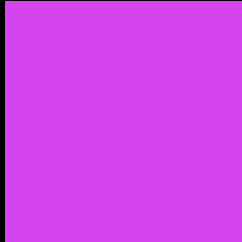
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2313, 24.6034, 83.2539 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 45.2313, 24.6034, 83.2539

Background



This preview shows how black text looks on a background with the XYZ color 45.2313, 24.6034, 83.2539.

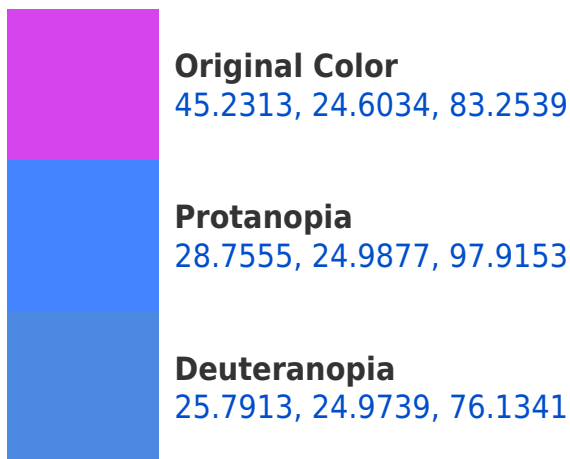


This preview shows how white text looks on a background with the XYZ color 45.2313, 24.6034,

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

31.9682, 24.2274, 19.8211

Trichromacy



Original Color

45.2313, 24.6034, 83.2539



Protanomaly

30.5936, 21.9144, 92.2400



Deuteranomaly

28.8222, 21.7935, 78.2888



Tritanomaly

35.3376, 23.4160, 36.3755

Monochromacy



Original Color

45.2313, 24.6034, 83.2539



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

27.3162, 21.2045, 40.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2313, 24.6034, 83.2539 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(214, 68, 238)` looks like.

```
.text, #text, p{  
    color:rgb(214, 68, 238)  
}
```

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(214, 68, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 68, 238) }
```

Border

The CSS property to change the border of an element to XYZ 45.2313, 24.6034, 83.2539 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(214, 68, 238) }
```


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

```
.border{ border-color:rgb(214, 68, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 68, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 68, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 68, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 68,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2313, 24.6034, 83.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 68, 238) }
```

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

```
.background{ background-color: rgb(214, 68,  
238) }
```

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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