

Converting Colors

XYZ(45.0314, 23.9004, 18.4308)

Have a look what the booklet for
XYZ(45.0314, 23.9004, 18.4308)
contains.

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Color

**XYZ(45.0276, 23.8840,
18.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2673
RGB	255, 38, 115
RGB Percent	100%, 15%, 45%
CMY	0.0000, 0.8509, 0.5490
CMYK	0.00, 0.85, 0.55, 0.00
HSL	339°, 100%, 57%
HSV	339°, 85%, 100%
XYZ	45.0276, 23.8840, 18.4565
YIQ	111.6610, 104.6150, 69.9510

Conversions

Conversions Part 2

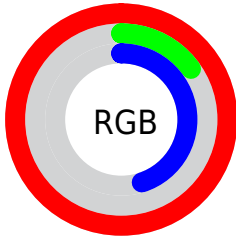
Format	Color
R_{YB}	255, 38, 115
Decimal	16721523
CIE Lab	55.97, 79.56, 13.40
CIE LCh	56, 80.677, 9.563
Yxy	23.8840, 0.5154, 0.2734
Android (android.graphics.Color)	4294911603 (0xFFFF2673)
YUV	111.6610, 1.6461, 125.7083
Hunter-Lab	48.8713, 78.9365, 11.8187

Details

The XYZ color **45.0276, 23.8840, 18.4565** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **44.5981, 75.1474, 54.2856**, and the grayscale version is **15.2790, 16.0747, 17.5054**.

A 20% lighter version of the original color is **53.8995, 35.4189, 40.5549**, and **22.5292, 11.4937, 6.4999** is the 20% darker color. If you saturate the color by 10%, you get **43.6082, 22.4279, 13.7218**, and if you desaturate by 10%, it is **47.1740, 26.5242, 24.2676**.

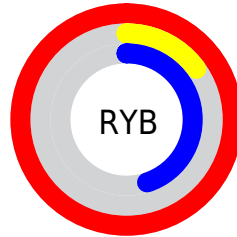
Distribution



Red (100%)

Green (15%)

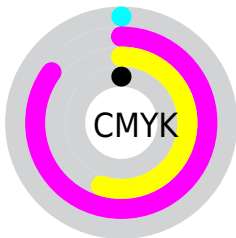
Blue (45%)



Red (100%)

Yellow (15%)

Blue (45%)

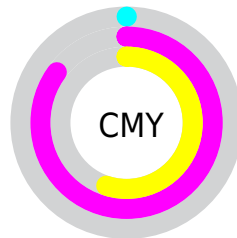


Cyan (0%)

Magenta (85%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (85%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0276, 23.8840, 18.4565 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 45.0276, 23.8840, 18.4565 by changing the saturation by 10% instead.


 45.0276, 23.8840,
18.4565


 45.0276, 23.8840,
18.4565


357.6671,
272.2335, 255.7536


 31.6805, 15.2476,
11.1054


 81.9986, 49.8408,
41.6381


 21.2720, 8.9933,
6.0227


 106.3533, 67.9301,
58.3056


 13.4365, 4.7368,
2.7899


 135.1079, 89.9390,
78.9157

 7.8089, 2.0937,
0.9884

 168.6278,
116.2521, 103.8869

 4.0237, 0.6611,
0.0000

 207.2783,
147.2537, 133.6378

 1.7155, 0.0000,
0.0000

251.4248,

 0.4660, 0.0000,

183.3282, 168.5868

0.0000

301.4326,
224.8600, 209.1526

■ 0.0000, 0.0000,
0.0000

■ 45.0276, 23.8840,
18.4565

■ 45.0276, 23.8840,
18.4565

■ 43.6082, 22.4279,
13.7218

■ 47.1740, 26.5242,
24.2676


■ 43.1052, 22.0061,
11.7530


■ 50.1520, 30.5437,
31.2306


■ 54.0497, 36.1062,
39.4132

■ 58.9426, 43.3513,
48.8768

■ 64.8981, 52.4027,
59.6779

 71.9775, 63.3722,
71.8694

 80.2371, 76.3629,
85.5011

 89.7296, 91.4701,
100.6201

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



43.6701, 23.8840, 48.0423



45.0276, 23.8840, 18.4565



39.2753, 23.8840, 5.2305

Triad

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



45.0276, 23.8840, 18.4565



13.1858, 23.8840, 3.2269



17.0613, 23.8840, 108.3731

Complementary

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



45.0276, 23.8840, 18.4565



44.5981, 75.1474, 54.2856

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.



11.6016, 23.8840, 73.5369



45.0276, 23.8840, 18.4565



9.8207, 23.8840, 12.0107

Square

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



45.0276, 23.8840, 18.4565



19.8840, 23.8840, 1.2020



9.3321, 23.8840, 35.3750



25.7723, 23.8840, 114.9444

Rectangle

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



45.0276, 23.8840, 18.4565



32.9073, 23.8840, 2.2069



9.3321, 23.8840, 35.3750



14.8589, 23.8840, 98.8331

Sweetspot

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



45.0282, 23.8854, 18.4569



71.2847, 62.2909, 70.7001



36.5222, 17.7728, 96.1129



14.7129, 12.4851, 14.2041



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.



45.0282, 23.8854, 18.4569



43.1054, 22.0062, 11.7531



43.5944, 25.4088, 4.4424



18.2755, 18.0935, 20.0681



22.5876, 11.5243, 6.4788



2.2490, 1.1420, 0.8925

Inverse Universe

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



45.0282, 23.8854, 18.4569



43.1054, 22.0062, 11.7531



46.0653, 62.0629, 104.1588



18.2755, 18.0935, 20.0681



22.5876, 11.5243, 6.4788



2.2490, 1.1420, 0.8925

Previews

White Background



This preview shows how the XYZ color 45.0276, 23.8840, 18.4565 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 45.0276, 23.8840, 18.4565 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 45.0276, 23.8840, 18.4565

Background



This preview shows how black text looks on a background with the XYZ color 45.0276, 23.8840, 18.4565.



This preview shows how white text looks on a background with the XYZ color 45.0276, 23.8840,

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

45.0276, 23.8840, 18.4565

Protanopia

23.8738, 24.0154, 37.0954

Deuteranopia

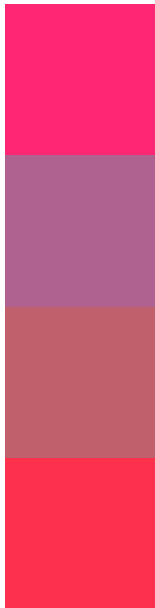
24.5006, 23.9895, 16.7037



Tritanopia

42.2976, 23.8192, 6.2391

Trichromacy



Original Color

45.0276, 23.8840, 18.4565

Protanomaly

27.0809, 19.8629, 28.7922

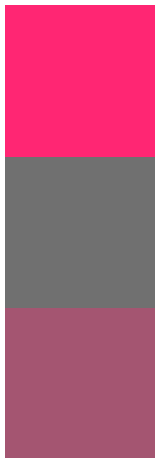
Deuteranomaly

28.9355, 20.8073, 16.9591

Tritanomaly

42.9815, 23.6293, 9.5033

Monochromacy



Original Color

45.0276, 23.8840, 18.4565

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

21.5390, 15.5818, 17.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0276, 23.8840, 18.4565 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(255, 38, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 115)  
}
```

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(255, 38, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 115) }
```

Border

The CSS property to change the border of an element to XYZ 45.0276, 23.8840, 18.4565 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(255, 38, 115) }
```


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

```
.border{ border-color:rgb(255, 38, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 38, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 38, 115); box-shadow:4px 4px 4px 4px rgb(255, 38, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0276, 23.8840, 18.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 115) }
```

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

```
.background{ background-color: rgb(255, 38,  
115) }
```

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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