

Converting Colors

XYZ(45.9551, 23.9481, 38.3012)

Have a look what the booklet for
XYZ(45.9551, 23.9481, 38.3012)
contains.

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Color

**XYZ(45.9662, 23.9784,
38.2820)**

Conversions

Conversions Part 1

Format	Color
Hex	F727A6
RGB	247, 39, 166
RGB Percent	97%, 15%, 65%
CMY	0.0314, 0.8470, 0.3490
CMYK	0.00, 0.84, 0.33, 0.03
HSL	323°, 93%, 56%
HSV	323°, 84%, 97%
XYZ	45.9662, 23.9784, 38.2820
YIQ	115.6700, 83.2010, 83.5930

Conversions

Conversions Part 2

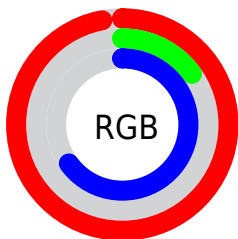
Format	Color
R _Y B	247, 39, 166
Decimal	16197542
CIE Lab	56.07, 81.84, -16.91
CIE LCh	56, 83.565, 348.327
Yxy	23.9784, 0.4247, 0.2216
Android (android.graphics.Color)	4294387622 (0xFFFF727A6)
YUV	115.6700, 24.8127, 115.1764
Hunter-Lab	48.9677, 81.8650, -12.0743

Details

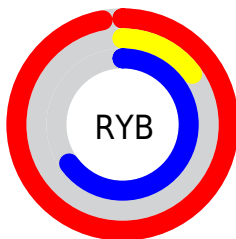
The XYZ color **45.9662, 23.9784, 38.2820** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **37.4896, 68.3098, 28.9849**, and the grayscale version is **16.4115, 17.2662, 18.8029**.

A 20% lighter version of the original color is **59.9756, 37.8493, 72.5512**, and **23.0448, 11.5292, 16.9303** is the 20% darker color. If you saturate the color by 10%, you get **44.5522, 22.5101, 33.6185**, and if you desaturate by 10%, it is **47.9744, 26.5291, 43.4695**.

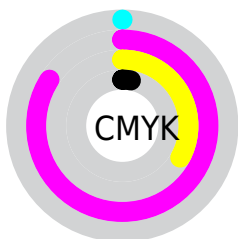
Distribution



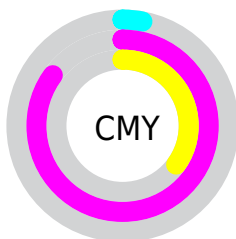
- Red (97%)
- Green (15%)
- Blue (65%)



- Red (97%)
- Yellow (15%)
- Blue (65%)



- Cyan (0%)
- Magenta (84%)
- Yellow (33%)
- Black (3%)




- Cyan (3%)
- Magenta (85%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9662, 23.9784, 38.2820 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 45.9662, 23.9784, 38.2820 by changing the saturation by 10% instead.


 45.9662, 23.9784,
38.2820


 45.9662, 23.9784,
38.2820


361.3910,
272.7113, 354.1625

 32.4237, 15.3176,
25.8981


 83.3966, 49.9950,
73.7484


 21.8424, 9.0426,
16.5223


 108.0151, 68.1195,
97.6679


 13.8571, 4.7690,
9.7362


 137.0564, 90.1674,
126.2698

 8.1024, 2.1124,
5.1211

 170.8858,
116.5231, 159.9725

 4.2129, 0.6716,
2.2585

 209.8685,
147.5709, 199.1946

 1.8233, 0.0000,
0.7078

254.3701,

 0.5316, 0.0000,

183.6953, 244.3546

0.0000

304.7558,
225.2806, 295.8711

■ 0.0000, 0.0000,
0.0000

■ 45.9662, 23.9784,
38.2820

■ 45.9662, 23.9784,
38.2820

■ 44.5522, 22.5101,
33.6185

■ 47.9744, 26.5291,
43.4695

■ 43.9277, 22.0021,
31.1261

■ 50.6644, 30.3357,
49.2168

■ 54.1108, 35.5451,
55.5553

■ 58.3771, 42.2823,
62.5129

■ 63.5202, 50.6586,
70.1146

69.5912, 60.7749,
78.3837

76.6377, 72.7239,
87.3420

84.7034, 86.5915,
97.0099

91.7801, 98.3591,
106.7236

Harmonies

Analogous

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



39.4756, 23.9784, 79.1278



45.9662, 23.9784, 38.2820



45.0897, 23.9784, 12.8002

Triad

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



45.9662, 23.9784, 38.2820



17.4825, 23.9784, 1.2341



12.6184, 23.9784, 88.5330

Complementary

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



45.9662, 23.9784, 38.2820



37.4896, 68.3098, 28.9849

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.



9.4097, 23.9784, 46.4226



45.9662, 23.9784, 38.2820



11.6275, 23.9784, 4.4114

Square

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



45.9662, 23.9784, 38.2820



26.7183, 23.9784, 1.0385



9.1066, 23.9784, 16.8352



19.2683, 23.9784, 119.1341

Rectangle

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



45.9662, 23.9784, 38.2820



40.4794, 23.9784, 5.1713



9.1066, 23.9784, 16.8352



11.1924, 23.9784, 74.2962

Sweetspot

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



45.9669, 23.9797, 38.2824



74.2325, 64.3536, 83.4986



25.0876, 12.0718, 89.0035



15.3786, 12.9203, 17.1892



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.



45.9669, 23.9797, 38.2824



47.2143, 23.6497, 33.3905



39.9891, 21.5886, 6.8038



16.9243, 16.6526, 19.3477



23.3037, 11.6649, 16.8393



2.0985, 1.0454, 1.7449

Inverse Universe

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



45.9669, 23.9797, 38.2824



47.2143, 23.6497, 33.3905



47.3819, 72.2667, 81.0769



16.9243, 16.6526, 19.3477



23.3037, 11.6649, 16.8393



2.0985, 1.0454, 1.7449

Previews

White Background



This preview shows how the XYZ color 45.9662, 23.9784, 38.2820 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



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 45.9662, 23.9784, 38.2820

Background



This preview shows how black text looks on a background with the XYZ color 45.9662, 23.9784, 38.2820.



This preview shows how white text looks on a background with the XYZ color 45.9662, 23.9784,

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

45.9662, 23.9784, 38.2820

Protanopia

26.9083, 24.4868, 77.4369

Deuteranopia

24.5139, 24.0024, 34.3513



Tritanopia

39.9977, 24.0017, 9.5459

Trichromacy



Original Color

45.9662, 23.9784, 38.2820



Protanomaly

27.9027, 19.5812, 60.7014



Deuteranomaly

28.9858, 20.7035, 35.2694



Tritanomaly

41.3912, 23.4963, 16.8217

Monochromacy



Original Color

45.9662, 23.9784, 38.2820



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

23.1026, 16.5932, 24.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9662, 23.9784, 38.2820 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(247, 39, 166)` looks like.

```
.text, #text, p{  
    color:rgb(247, 39, 166)  
}
```

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(247, 39, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 39, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.9662, 23.9784, 38.2820 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(247, 39, 166) }
```


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

```
.border{ border-color:rgb(247, 39, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 39, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 39, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 39, 166); box-shadow:4px 4px 4px 4px rgb(247, 39, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9662, 23.9784, 38.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 39, 166) }
```

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

```
.background{ background-color: rgb(247, 39,  
166) }
```

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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