

Converting Colors

XYZ(45.5451, 24.8762, 18.7611)

Have a look what the booklet for
XYZ(45.5451, 24.8762, 18.7611)
contains.

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Color

**XYZ(45.5183, 24.8655,
18.6201)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF3373
RGB	255, 51, 115
RGB Percent	100%, 20%, 45%
CMY	0.0000, 0.7999, 0.5490
CMYK	0.00, 0.80, 0.55, 0.00
HSL	341°, 100%, 60%
HSV	341°, 80%, 100%
XYZ	45.5183, 24.8655, 18.6201
YIQ	119.2920, 101.0400, 63.1520

Conversions

Conversions Part 2

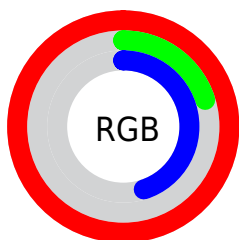
Format	Color
RYB	255, 51, 115
Decimal	16724851
CIELab	56.94, 76.77, 14.75
CIELCh	57, 78.179, 10.878
Yxy	24.8655, 0.5114, 0.2794
Android (android.graphics.Color)	4294914931 (0xFFFF3373)
YUV	119.2920, -2.1160, 119.0159
Hunter-Lab	49.8653, 75.6749, 12.7664

Details

The XYZ color **45.5183, 24.8655, 18.6201** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **46.5319, 75.9862, 61.5146**, and the grayscale version is **17.6138, 18.5311, 20.1804**.

A 20% lighter version of the original color is **54.6935, 37.0069, 40.8196**, and **22.5292, 11.4937, 6.4999** is the 20% darker color. If you saturate the color by 10%, you get **43.7796, 22.8499, 13.5347**, and if you desaturate by 10%, it is **48.0594, 28.1802, 24.9166**.

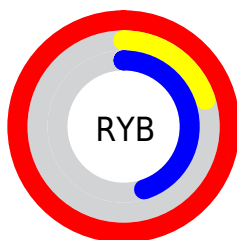
Distribution



Red (100%)

Green (20%)

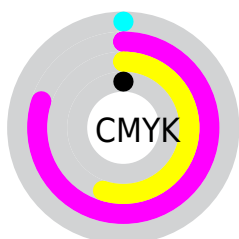
Blue (45%)



Red (100%)

Yellow (20%)

Blue (45%)

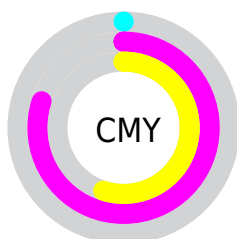


Cyan (0%)

Magenta (80%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5183, 24.8655, 18.6201 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 45.5183, 24.8655, 18.6201 by changing the saturation by 10% instead.


 45.5183, 24.8655,
18.6201


 45.5183, 24.8655,
18.6201


359.6171,
277.1675, 256.6959


 32.0689, 15.9769,
11.2221


 82.7299, 51.4389,
41.9193


 21.5699, 9.5078,
6.1004


 107.2228, 69.8925,
58.6575


 13.6561, 5.0739,
2.8364


 136.1276, 92.3033,
79.3462

 7.9619, 2.2907,
1.0117

 169.8096,
119.0555, 104.4039

 4.1222, 0.7688,
0.0000

 208.6342,
150.5337, 134.2492

 1.7715, 0.0000,
0.0000


252.9668,


 0.5004, 0.0000,


187.1221, 169.3006


0.0000


303.1726,
229.2052, 209.9766


 0.0000, 0.0000,
0.0000


 45.5183, 24.8655,
18.6201


 45.5183, 24.8655,
18.6201


 43.7796, 22.8499,
13.5347


 48.0594, 28.1802,
24.9166


 42.6878, 21.8394,
9.5545

 51.4982, 32.9684,
32.5049

 42.6871, 21.8388,
9.5519

 55.9181, 39.3816,
41.4586

 61.3916, 47.5514,
51.8451

 67.9844, 57.5957,
63.7268

75.7564, 69.6221,
77.1622

84.7635, 83.7300,
92.2065

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



44.5104, 24.8655, 47.2105



45.5183, 24.8655, 18.6201



39.6269, 24.8655, 5.6509

Triad

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



45.5183, 24.8655, 18.6201



13.8719, 24.8655, 4.0305



18.3164, 24.8655, 108.2810

Complementary

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



45.5183, 24.8655, 18.6201



46.5319, 75.9862, 61.5146

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.



12.6531, 24.8655, 75.3828



45.5183, 24.8655, 18.6201



10.5838, 24.8655, 13.6741

Square

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



45.5183, 24.8655, 18.6201



20.4606, 24.8655, 1.6004



10.2044, 24.8655, 37.7640



27.1195, 24.8655, 113.0838

Rectangle

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



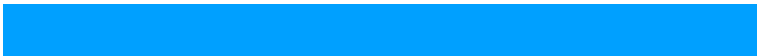
45.5183, 24.8655, 18.6201



33.2939, 24.8655, 2.5834



10.2044, 24.8655, 37.7640



16.0504, 24.8655, 99.4690

Sweetspot

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



45.5189, 24.8670, 18.6205



72.4971, 64.5585, 71.5884



40.5712, 20.5887, 96.4428



14.9320, 12.9135, 14.3079



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.



45.5189, 24.8670, 18.6205



43.0704, 22.1693, 11.0227



45.3616, 28.5468, 6.2534



18.2440, 18.0809, 19.9023



22.3641, 11.4349, 5.3018



2.2244, 1.1321, 0.7629

Inverse Universe

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



45.5189, 24.8670, 18.6205



43.0704, 22.1693, 11.0227



44.3846, 57.8613, 103.4362



18.2440, 18.0809, 19.9023



22.3641, 11.4349, 5.3018



2.2244, 1.1321, 0.7629

Previews

White Background



This preview shows how the XYZ color 45.5183, 24.8655, 18.6201 looks on a white background.

Color Contrast Check

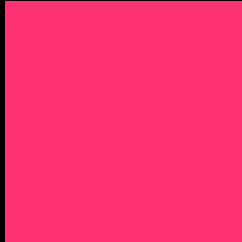
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5183, 24.8655, 18.6201 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 45.5183, 24.8655, 18.6201

Background



This preview shows how black text looks on a background with the XYZ color 45.5183, 24.8655, 18.6201.



This preview shows how white text looks on a background with the XYZ color 45.5183, 24.8655,

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

45.5183, 24.8655, 18.6201

Protanopia

24.5628, 25.0292, 35.4348

Deuteranopia

25.3640, 24.8296, 16.8204






Tritanopia

43.3248, 24.9428, 7.6852

Trichromacy

	Original Color 45.5183, 24.8655, 18.6201
	Protanomaly 28.0655, 21.4033, 28.2432
	Deuteranomaly 30.0174, 22.2090, 17.1727
	Tritanomaly 44.0372, 24.8389, 10.8609

Monochromacy

	Original Color 45.5183, 24.8655, 18.6201
	Achromatopsia 17.5343, 18.4475, 20.0893
	Achromatomaly 23.4212, 17.6382, 19.3096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5183, 24.8655, 18.6201 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, 51, 115) looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 115) }
```

Border

The CSS property to change the border of an element to XYZ 45.5183, 24.8655, 18.6201 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, 51, 115) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5183, 24.8655, 18.6201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 115) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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