

Converting Colors

XYZ(50.4139, 28.1030, 16.5850)

Have a look what the booklet for
XYZ(50.4139, 28.1030, 16.5850)
contains.

XYZ(45.5097, 25.5533, 16.4436)	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(45.5097, 25.5533,
16.4436)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3C6B
RGB	255, 60, 107
RGB Percent	100%, 24%, 42%
CMY	0.0000, 0.7646, 0.5804
CMYK	0.00, 0.76, 0.58, 0.00
HSL	346°, 100%, 62%
HSV	346°, 76%, 100%
XYZ	45.5097, 25.5533, 16.4436
YIQ	123.6630, 101.1330, 55.9570

Conversions

Conversions Part 2

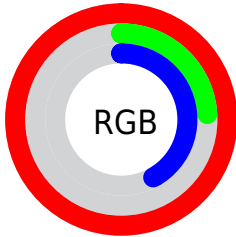
Format	Color
R_{YB}	255, 60, 107
Decimal	16727147
CIE _{Lab}	57.61, 73.88, 20.41
CIE _{LCh}	58, 76.644, 15.443
Yxy	25.5533, 0.5201, 0.2920
Android (android.graphics.Color)	4294917227 (0xFFFF3C6B)
YUV	123.6630, -8.2149, 115.1825
Hunter-Lab	50.5503, 72.2381, 16.0986

Details

The XYZ color **45.5097, 25.5533, 16.4436** 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 **49.0112, 77.0355, 71.9701**, and the grayscale version is **19.0512, 20.0434, 21.8272**.

A 20% lighter version of the original color is **54.6192, 38.1439, 36.8315**, and **22.3015, 11.4026, 5.3005** is the 20% darker color. If you saturate the color by 10%, you get **43.5734, 23.1324, 11.3241**, and if you desaturate by 10%, it is **48.3179, 29.3540, 22.9785**.

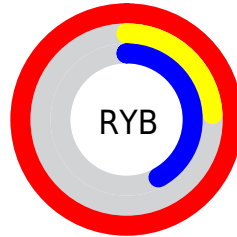
Distribution



Red (100%)

Green (24%)

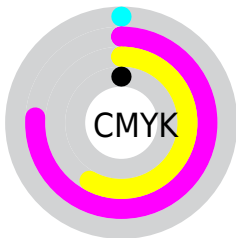
Blue (42%)



Red (100%)

Yellow (24%)

Blue (42%)

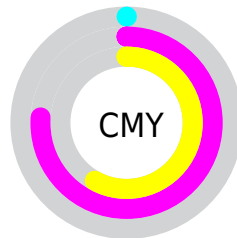


Cyan (0%)

Magenta (76%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (76%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5097, 25.5533, 16.4436 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 45.5097, 25.5533, 16.4436 by changing the saturation by 10% instead.

 45.5097, 25.5533,
16.4436


 45.5097, 25.5533,
16.4436

359.5830,
280.5823, 243.8797


 32.0621, 16.4898,
9.6809


 82.7171, 52.5534,
38.1441

 21.5647, 9.8714,
5.0850


 107.2076, 71.2588,
53.9189


 13.6522, 5.3138,
2.2376

 136.1098, 93.9469,
73.5348

 7.9592, 2.4325,
0.6960

 169.7889,
121.0022, 97.4103

 4.1205, 0.8425,
0.0000

 208.6105,
152.8089, 125.9640

 1.7705, 0.0000,
0.0000

252.9398,

 0.4998, 0.0000,

189.7516, 159.6145

0.0000

303.1422,
232.2146, 198.7802

■ 0.0000, 0.0000,
0.0000

■ 45.5097, 25.5533,
16.4436

■ 45.5097, 25.5533,
16.4436

■ 43.5734, 23.1324,
11.3241

■ 48.3179, 29.3540,
22.9785

■ 42.3899, 21.8765,
7.5038

■ 52.0918, 34.6985,
31.0284

■ 42.0942, 21.6016,
6.4291

■ 56.9143, 41.7328,
40.6845

■ 62.8588, 50.5844,
52.0302

■ 69.9920, 61.3686,
65.1429

78.3750, 74.1910,
80.0950

88.0649, 89.1496,
96.9549

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.



45.6168, 25.5533, 42.5132



45.5097, 25.5533, 16.4436



38.8479, 25.5533, 5.1443

Triad

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



45.5097, 25.5533, 16.4436



13.7810, 25.5533, 5.3252



20.1269, 25.5533, 110.6863

Complementary

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



45.5097, 25.5533, 16.4436



49.0112, 77.0355, 71.9701

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.



13.9133, 25.5533, 81.4135



45.5097, 25.5533, 16.4436



10.9245, 25.5533, 16.9793

Square

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



45.5097, 25.5533, 16.4436



19.8960, 25.5533, 2.0307



10.9659, 25.5533, 43.5195



29.2822, 25.5533, 110.1808

Rectangle

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



45.5097, 25.5533, 16.4436



32.3615, 25.5533, 2.5477



10.9659, 25.5533, 43.5195



17.6825, 25.5533, 103.4647

Sweetspot

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



45.5103, 25.5548, 16.4440



72.7521, 65.5752, 70.1114



45.1906, 23.6115, 96.7829



14.9567, 13.0981, 13.8989



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.



45.5103, 25.5548, 16.4440



42.8344, 22.3094, 9.0569



47.4990, 32.4728, 8.0416



18.1888, 18.0588, 19.6113



22.0436, 11.3067, 3.6142



2.1870, 1.1172, 0.5659

Inverse Universe

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



45.5103, 25.5548, 16.4440



42.8344, 22.3094, 9.0569



42.0467, 52.4459, 102.5142



18.1888, 18.0588, 19.6113



22.0436, 11.3067, 3.6142



2.1870, 1.1172, 0.5659

Previews

White Background



This preview shows how the XYZ color 45.5097, 25.5533, 16.4436 looks on a white background.

Color Contrast Check

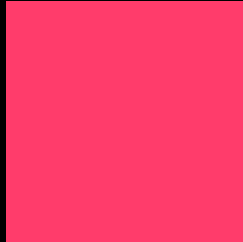
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5097, 25.5533, 16.4436 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 45.5097, 25.5533, 16.4436

Background



This preview shows how black text looks on a background with the XYZ color 45.5097, 25.5533, 16.4436.



This preview shows how white text looks on a background with the XYZ color 45.5097, 25.5533,

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

45.5097, 25.5533, 16.4436

Protanopia

24.9377, 25.7660, 30.0445

Deuteranopia

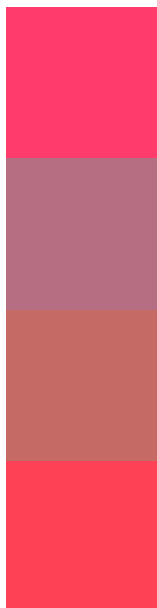
26.0622, 25.6375, 14.8842



Tritanopia

43.7125, 25.4718, 8.5739

Trichromacy



Original Color

45.5097, 25.5533, 16.4436

Protanomaly

28.9641, 22.7356, 24.3346

Deuteranomaly

30.7917, 23.2534, 15.1774

Tritanomaly

44.3636, 25.4915, 10.9696

Monochromacy



Original Color

45.5097, 25.5533, 16.4436

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

24.9370, 19.3860, 19.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5097, 25.5533, 16.4436 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, 60, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 107)  
}
```

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, 60, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.5097, 25.5533, 16.4436 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, 60, 107) }
```


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

```
.border{ border-color:rgb(255, 60, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 60, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 60,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5097, 25.5533, 16.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 107) }
```

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

```
.background{ background-color: rgb(255, 60,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor