

Converting Colors

XYZ(48.3420, 26.4921, 20.0251)

Have a look what the booklet for
XYZ(48.3420, 26.4921, 20.0251)
contains.

XYZ(45.8889, 25.2302, 19.9041)	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(45.8889, 25.2302,
19.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3677
RGB	255, 54, 119
RGB Percent	100%, 21%, 47%
CMY	0.0000, 0.7882, 0.5333
CMYK	0.00, 0.79, 0.53, 0.00
HSL	341°, 100%, 61%
HSV	341°, 79%, 100%
XYZ	45.8889, 25.2302, 19.9041
YIQ	121.5090, 98.9310, 62.8270

Conversions

Conversions Part 2

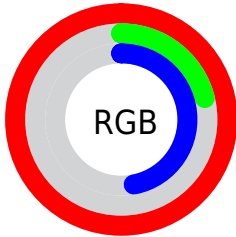
Format	Color
R_{YB}	255, 54, 119
Decimal	16725623
CIE _{Lab}	57.30, 76.30, 12.87
CIE _{LCh}	57, 77.381, 9.574
Yxy	25.2302, 0.5041, 0.2772
Android (android.graphics.Color)	4294915703 (0xFFFF3677)
YUV	121.5090, -1.2369, 117.0716
Hunter-Lab	50.2297, 75.1724, 11.6664

Details

The XYZ color **45.8889, 25.2302, 19.9041** 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 **46.5780, 76.0228, 60.9429**, and the grayscale version is **18.3225, 19.2767, 20.9923**.

A 20% lighter version of the original color is **55.3072, 37.6332, 42.8770**, and **22.6232, 11.5313, 6.9946** is the 20% darker color. If you saturate the color by 10%, you get **44.0531, 23.0694, 14.6353**, and if you desaturate by 10%, it is **48.5353, 28.7115, 26.3717**.

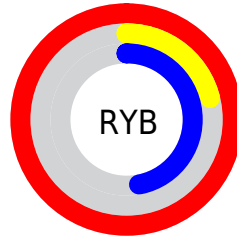
Distribution



Red (100%)

Green (21%)

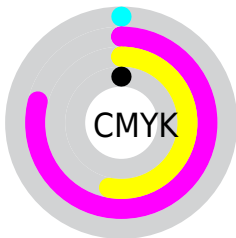
Blue (47%)



Red (100%)

Yellow (21%)

Blue (47%)

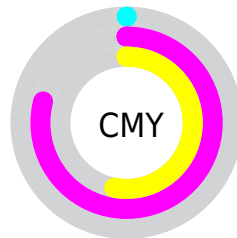


Cyan (0%)

Magenta (79%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8889, 25.2302, 19.9041 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 45.8889, 25.2302, 19.9041 by changing the saturation by 10% instead.

 45.8889, 25.2302,
19.9041


 45.8889, 25.2302,
19.9041


361.0852,
278.9824, 263.9825


 32.3624, 16.2486,
12.1420


 83.2816, 52.0304,
44.1132


 21.7954, 9.7003,
6.7167


 107.8785, 70.6179,
61.3972


 13.8224, 5.2007,
3.2098


 136.8962, 93.1761,
82.6923

 8.0781, 2.3655,
1.2028

 170.7002,
120.0895, 108.4170

 4.1972, 0.8080,
0.0000

 209.6557,
151.7424, 138.9899

 1.8143, 0.0000,
0.0000

254.1282,

 0.5263, 0.0000,

188.5193, 174.8294

0.0000

304.4829,
230.8045, 216.3541

■ 0.0000, 0.0000,
0.0000

■ 45.8889, 25.2302,
19.9041

■ 45.8889, 25.2302,
19.9041

■ 44.0531, 23.0694,
14.6353

■ 48.5353, 28.7115,
26.3717

■ 42.8921, 21.9732,
10.4692

■ 52.0851, 33.6832,
34.1149

■ 42.7800, 21.8760,
10.0403

■ 56.6196, 40.2942,
43.2044

■ 62.2103, 48.6740,
53.7048

■ 68.9216, 58.9390,
65.6760

■ 76.8126, 71.1957,
79.1744

■ 85.9382, 85.5426,
94.2531

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.



44.5724, 25.2302, 49.1138



45.8889, 25.2302, 19.9041



40.2873, 25.2302, 6.2330

Triad

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



45.8889, 25.2302, 19.9041



14.4157, 25.2302, 4.0446



18.3419, 25.2302, 107.0852

Complementary

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



45.8889, 25.2302, 19.9041



46.5780, 76.0228, 60.9429

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.



12.8017, 25.2302, 73.7905



45.8889, 25.2302, 19.9041



10.9684, 25.2302, 13.3556

Square

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



45.8889, 25.2302, 19.9041



21.1677, 25.2302, 1.7089



10.4643, 25.2302, 36.7482



27.0322, 25.2302, 113.3201

Rectangle

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



45.8889, 25.2302, 19.9041



34.0562, 25.2302, 2.8892



10.4643, 25.2302, 36.7482



16.1184, 25.2302, 98.0009

Sweetspot

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



45.8895, 25.2317, 19.9045



72.5723, 64.5886, 71.9846



40.1101, 20.5518, 96.4602



14.9498, 12.9206, 14.4016



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.



45.8895, 25.2317, 19.9045



43.2724, 22.2982, 11.9382



45.3560, 28.4262, 6.5883



18.2514, 18.0839, 19.9412



22.4138, 11.4548, 5.5637



2.2299, 1.1343, 0.7922

Inverse Universe

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



45.8895, 25.2317, 19.9045



43.2724, 22.2982, 11.9382



45.5614, 59.9832, 103.7839



18.2514, 18.0839, 19.9412



22.4138, 11.4548, 5.5637



2.2299, 1.1343, 0.7922

Previews

White Background



This preview shows how the XYZ color 45.8889, 25.2302, 19.9041 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 45.8889, 25.2302, 19.9041 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 45.8889, 25.2302, 19.9041

Background



This preview shows how black text looks on a background with the XYZ color 45.8889, 25.2302, 19.9041.



This preview shows how white text looks on a background with the XYZ color 45.8889, 25.2302,

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

45.8889, 25.2302, 19.9041

Protanopia

25.1401, 25.4865, 37.7768

Deuteranopia

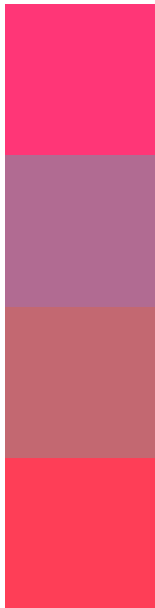
25.7095, 25.1837, 17.9739



Tritanopia

43.5893, 25.3266, 8.2213

Trichromacy



Original Color

45.8889, 25.2302, 19.9041

Protanomaly

28.5775, 21.9378, 29.9224

Deuteranomaly

30.4366, 22.6950, 18.3992

Tritanomaly

44.3160, 25.2042, 11.5460

Monochromacy



Original Color

45.8889, 25.2302, 19.9041

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

24.3034, 18.4759, 20.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8889, 25.2302, 19.9041 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, 54, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 119)  
}
```

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, 54, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 119) }
```

Border

The CSS property to change the border of an element to XYZ 45.8889, 25.2302, 19.9041 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, 54, 119) }
```


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

```
.border{ border-color:rgb(255, 54, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 54, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8889, 25.2302, 19.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 119) }
```

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

```
.background{ background-color: rgb(255, 54,  
119) }
```

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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