

Converting Colors

XYZ(68.0565, 36.2577, 22.4862)

Have a look what the booklet for
XYZ(68.0565, 36.2577, 22.4862)
contains.

XYZ(45.9350, 24.8291, 21.4402)	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(45.9350, 24.8291,
21.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	FF307C
RGB	255, 48, 124
RGB Percent	100%, 19%, 49%
CMY	0.0000, 0.8117, 0.5137
CMYK	0.00, 0.81, 0.51, 0.00
HSL	338°, 100%, 59%
HSV	338°, 81%, 100%
XYZ	45.9350, 24.8291, 21.4402
YIQ	118.5570, 98.9760, 67.5200

Conversions

Conversions Part 2

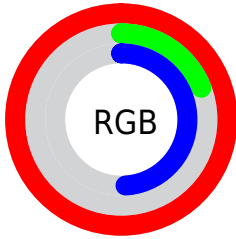
Format	Color
RYB	255, 48, 124
Decimal	16724092
CIELab	56.91, 78.12, 9.35
CIELCh	57, 78.675, 6.825
Yxy	24.8291, 0.4982, 0.2693
Android (android.graphics.Color)	4294914172 (0xFFFF307C)
YUV	118.5570, 2.6834, 119.6605
Hunter-Lab	49.8288, 77.3509, 9.3690

Details

The XYZ color **45.9350, 24.8291, 21.4402** 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 **45.1181, 75.4039, 54.8335**, and the grayscale version is **17.3674, 18.2718, 19.8980**.

A 20% lighter version of the original color is **55.3219, 36.8854, 45.2781**, and **23.0427, 11.7283, 7.8868** is the 20% darker color. If you saturate the color by 10%, you get **44.2361, 22.9335, 16.2438**, and if you desaturate by 10%, it is **48.4005, 27.9909, 27.7166**.

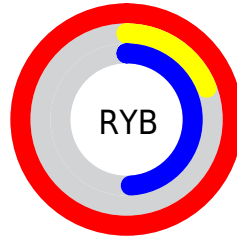
Distribution



Red (100%)

Green (19%)

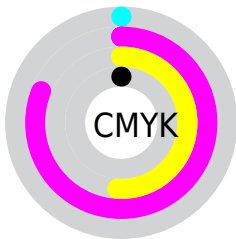
Blue (49%)



Red (100%)

Yellow (19%)

Blue (49%)

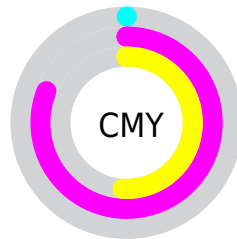


Cyan (0%)

Magenta (81%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9350, 24.8291, 21.4402 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 45.9350, 24.8291, 21.4402 by changing the saturation by 10% instead.


 45.9350, 24.8291,
21.4402


 45.9350, 24.8291,
21.4402


361.2676,
276.9858, 272.4662


 32.3989, 15.9498,
13.2518


 83.3502, 51.3798,
46.7093


 21.8234, 9.4886,
7.4694


 107.9600, 69.8200,
64.6270


 13.8431, 5.0612,
3.6745


 136.9918, 92.2160,
86.6249

 8.0926, 2.2832,
1.4485

 170.8109,
118.9521, 113.1216

 4.2065, 0.7648,
0.1791

 209.7827,
150.4127, 144.5355

 1.8196, 0.0000,
0.0000

254.2725,

 0.5295, 0.0000,

186.9823, 181.2852

0.0000

304.6457,
229.0452, 223.7893

■ 0.0000, 0.0000,
0.0000

■ 45.9350, 24.8291,
21.4402

■ 45.9350, 24.8291,
21.4402

■ 44.2361, 22.9335,
16.2438

■ 48.4005, 27.9909,
27.7166

■ 43.2427, 22.0611,
12.4771

■ 51.7277, 32.5968,
35.1417

■ 55.9991, 38.8000,
43.7779

■ 61.2863, 46.7333,
53.6823

■ 67.6535, 56.5150,
64.9078

75.1598, 68.2532,
77.5038

83.8594, 82.0476,
91.5173

93.8034, 97.9910,
106.9926

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.



43.9310, 24.8291, 52.3359



45.9350, 24.8291, 21.4402



40.8202, 24.8291, 6.5962

Triad

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



45.9350, 24.8291, 21.4402



14.4903, 24.8291, 3.3592



17.2887, 24.8291, 105.6981

Complementary

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



45.9350, 24.8291, 21.4402



45.1181, 75.4039, 54.8335

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.



12.0648, 24.8291, 70.2993



45.9350, 24.8291, 21.4402



10.7677, 24.8291, 11.5744

Square

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



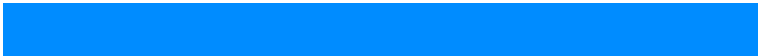
45.9350, 24.8291, 21.4402



21.5552, 24.8291, 1.4667



10.0128, 24.8291, 33.5264



25.7688, 24.8291, 115.2451

Rectangle

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



45.9350, 24.8291, 21.4402



34.6874, 24.8291, 2.9183



10.0128, 24.8291, 33.5264



15.1685, 24.8291, 95.6649

Sweetspot

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



45.9356, 24.8306, 21.4406



72.9164, 64.7263, 73.7967



36.9346, 18.5255, 96.2365



15.0314, 12.9532, 14.8309



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.



45.9356, 24.8306, 21.4406



43.5490, 22.3165, 13.6795



44.1018, 26.1297, 5.5174



18.2850, 18.0973, 20.1180



22.6608, 11.5536, 6.8644



2.2568, 1.1451, 0.9340

Inverse Universe

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



45.9356, 24.8306, 21.4406



43.5490, 22.3165, 13.6795



47.8041, 64.9176, 104.6182



18.2850, 18.0973, 20.1180



22.6608, 11.5536, 6.8644



2.2568, 1.1451, 0.9340

Previews

White Background



This preview shows how the XYZ color 45.9350, 24.8291, 21.4402 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 45.9350, 24.8291, 21.4402 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 45.9350, 24.8291, 21.4402

Background



This preview shows how black text looks on a background with the XYZ color 45.9350, 24.8291, 21.4402.



This preview shows how white text looks on a background with the XYZ color 45.9350, 24.8291,

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

45.9350, 24.8291, 21.4402

Protanopia

25.1131, 25.1777, 41.5664

Deuteranopia

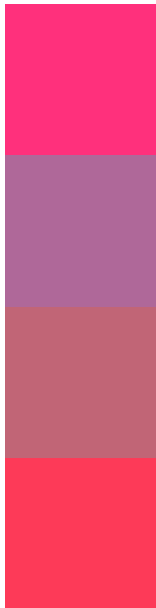
25.3891, 24.9865, 19.4043



Tritanopia

42.9914, 24.7675, 7.8249

Trichromacy



Original Color

45.9350, 24.8291, 21.4402

Protanomaly

28.3793, 21.3145, 32.7553

Deuteranomaly

29.9160, 21.9528, 19.8001

Tritanomaly

43.7825, 24.6133, 11.6758

Monochromacy



Original Color

45.9350, 24.8291, 21.4402

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

23.5140, 17.5340, 20.2342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9350, 24.8291, 21.4402 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, 48, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 124)  
}
```

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, 48, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 124) }
```

Border

The CSS property to change the border of an element to XYZ 45.9350, 24.8291, 21.4402 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, 48, 124) }
```


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

```
.border{ border-color:rgb(255, 48, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9350, 24.8291, 21.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 124) }
```

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

```
.background{ background-color: rgb(255, 48,  
124) }
```

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