

Converting Colors

XYZ(45.6615, 24.4308, 23.3678)

Have a look what the booklet for
XYZ(45.6615, 24.4308, 23.3678)
contains.

XYZ(45.8030, 24.4839, 23.4309)	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(45.8030, 24.4839,
23.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	FE2C82
RGB	254, 44, 130
RGB Percent	100%, 17%, 51%
CMY	0.0039, 0.8274, 0.4902
CMYK	0.00, 0.83, 0.49, 0.00
HSL	335°, 99%, 58%
HSV	335°, 83%, 100%
XYZ	45.8030, 24.4839, 23.4309
YIQ	116.5940, 97.5540, 71.2660

Conversions

Conversions Part 2

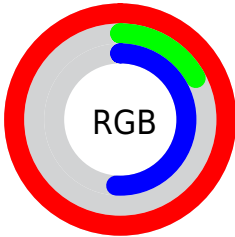
Format	Color
R_{YB}	254, 44, 130
Decimal	16657538
CIE _{Lab}	56.57, 79.20, 5.27
CIE _{LCh}	57, 79.380, 3.806
Yxy	24.4839, 0.4887, 0.2613
Android (android.graphics.Color)	4294847618 (0xFFFE2C82)
YUV	116.5940, 6.6092, 120.5051
Hunter-Lab	49.4812, 78.6390, 6.5612

Details

The XYZ color **45.8030, 24.4839, 23.4309** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **43.5509, 74.2472, 49.0909**, and the grayscale version is **16.7451, 17.6172, 19.1851**.

A 20% lighter version of the original color is **55.8046, 36.7135, 48.9449**, and **22.9711, 11.6704, 8.8265** is the 20% darker color. If you saturate the color by 10%, you get **44.1940, 22.7616, 18.2841**, and if you desaturate by 10%, it is **48.1378, 27.4232, 29.5441**.

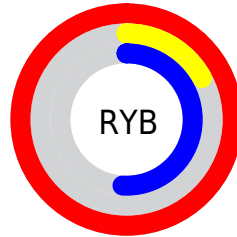
Distribution



Red (100%)

Green (17%)

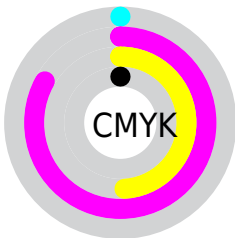
Blue (51%)



Red (100%)

Yellow (17%)

Blue (51%)

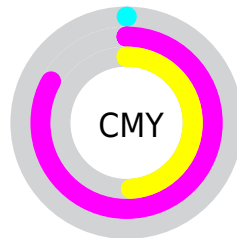


Cyan (0%)

Magenta (83%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8030, 24.4839, 23.4309 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 45.8030, 24.4839, 23.4309 by changing the saturation by 10% instead.


 45.8030, 24.4839,
23.4309


 45.8030, 24.4839,
23.4309


360.7453,
275.2579, 283.1238

 32.2944, 15.6930,
14.7037


 83.1538, 50.8187,
50.0320


 21.7431, 9.3072,
8.4674


 107.7266, 69.1314,
68.7431


 13.7838, 4.9421,
4.3034


 136.7182, 91.3867,
91.6191

 8.0511, 2.2133,
1.7932

 170.4939,
117.9692, 119.0788

 4.1798, 0.7272,
0.4235

 209.4192,
149.2631, 151.5405

 1.8043, 0.0000,
0.0000

253.8592,

 0.5203, 0.0000,

185.6530, 189.4229

0.0000

304.1795,
227.5231, 233.1445

■ 0.0000, 0.0000,
0.0000

■ 45.8030, 24.4839,
23.4309

■ 45.8030, 24.4839,
23.4309

■ 44.1940, 22.7616,
18.2841

■ 48.1378, 27.4232,
29.5441

■ 43.3719, 22.0704,
15.0722

■ 51.2940, 31.7608,
36.6843

■ 55.3536, 37.6517,
44.9068

■ 60.3873, 45.2291,
54.2615

■ 66.4587, 54.6117,
64.7944

73.6255, 65.9074,
76.5490

81.9412, 79.2155,
89.5659

91.4555, 94.6285,
103.8840

94.6829, 99.8108,
108.8828

Harmonies

Analogous

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



43.0633, 24.4839, 55.9140



45.8030, 24.4839, 23.4309



41.3151, 24.4839, 7.2208

Triad

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



45.8030, 24.4839, 23.4309



14.7402, 24.4839, 2.8181



16.2941, 24.4839, 103.0243

Complementary

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



45.8030, 24.4839, 23.4309



43.5509, 74.2472, 49.0909

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.



11.4359, 24.4839, 66.0266



45.8030, 24.4839, 23.4309



10.7191, 24.4839, 9.9483

Square

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



45.8030, 24.4839, 23.4309



22.1150, 24.4839, 1.3174



9.6919, 24.4839, 30.1703



24.4670, 24.4839, 116.0982

Rectangle

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



45.8030, 24.4839, 23.4309



35.3796, 24.4839, 3.0982



9.6919, 24.4839, 30.1703



14.2985, 24.4839, 92.1499

Sweetspot

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



45.8036, 24.4853, 23.4313



72.4958, 63.6589, 74.3536



34.6234, 17.1206, 95.2454



14.9656, 12.7551, 15.0142



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.



45.8036, 24.4853, 23.4313



43.8651, 22.3543, 15.6170



43.0245, 24.6458, 4.8743



18.3177, 18.1104, 20.2902



22.9351, 11.6633, 8.3088



2.2857, 1.1567, 1.0862

Inverse Universe

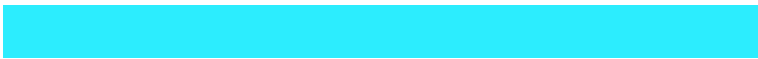
The Inverse Universe completely reimagines the original color for something new.



45.8036, 24.4853, 23.4313



43.8651, 22.3543, 15.6170



49.0689, 67.9717, 104.2993



18.3177, 18.1104, 20.2902



22.9351, 11.6633, 8.3088



2.2857, 1.1567, 1.0862

Previews

White Background



This preview shows how the XYZ color 45.8030, 24.4839, 23.4309 looks on a white background.

Color Contrast Check

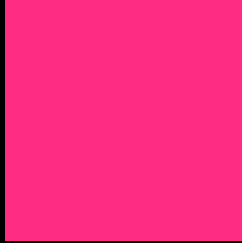
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8030, 24.4839, 23.4309 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 45.8030, 24.4839, 23.4309

Background



This preview shows how black text looks on a background with the XYZ color 45.8030, 24.4839, 23.4309.



This preview shows how white text looks on a background with the XYZ color 45.8030, 24.4839,

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

45.8030, 24.4839, 23.4309

Protanopia

25.0755, 24.6306, 46.6126

Deuteranopia

25.0240, 24.5572, 21.1904



Tritanopia

42.6004, 24.5694, 7.6513

Trichromacy



Original Color

45.8030, 24.4839, 23.4309



Protanomaly

27.9699, 20.5739, 36.6794



Deuteranomaly

29.5858, 21.4553, 21.6507



Tritanomaly

43.4112, 24.3430, 11.8618

Monochromacy



Original Color

45.8030, 24.4839, 23.4309



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.1054, 16.9330, 20.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8030, 24.4839, 23.4309 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(254, 44, 130)` looks like.

```
.text, #text, p{  
    color:rgb(254, 44, 130)  
}
```

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(254, 44, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 44, 130) }
```

Border

The CSS property to change the border of an element to XYZ 45.8030, 24.4839, 23.4309 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(254, 44, 130) }
```


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

```
.border{ border-color:rgb(254, 44, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 44, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 44, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 44, 130);  
box-shadow:4px 4px 4px 4px rgb(254, 44,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8030, 24.4839, 23.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 44, 130) }
```

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

```
.background{ background-color: rgb(254, 44,  
130) }
```

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