

Converting Colors

XYZ(44.7872, 23.0658, 19.4161)

Have a look what the booklet for
XYZ(44.7872, 23.0658, 19.4161)
contains.

XYZ(44.8199, 23.0922, 19.5477)	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(44.8199, 23.0922,
19.5477)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1477
RGB	255, 20, 119
RGB Percent	100%, 8%, 47%
CMY	0.0000, 0.9214, 0.5333
CMYK	0.00, 0.92, 0.53, 0.00
HSL	335°, 100%, 54%
HSV	335°, 92%, 100%
XYZ	44.8199, 23.0922, 19.5477
YIQ	101.5510, 108.2810, 80.6090

Conversions

Conversions Part 2

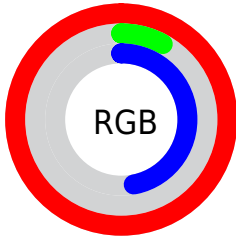
Format	Color
R_{YB}	255, 20, 119
Decimal	16716919
CIE Lab	55.17, 82.42, 9.88
CIE LCh	55, 83.012, 6.833
Yxy	23.0922, 0.5125, 0.2640
Android (android.graphics.Color)	4294906999 (0xFFFF1477)
YUV	101.5510, 8.6024, 134.5748
Hunter-Lab	48.0543, 82.3904, 9.5199

Details

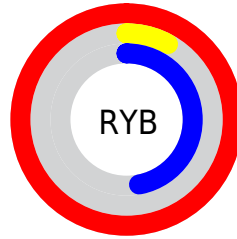
The XYZ color **44.8199, 23.0922, 19.5477** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **42.0534, 74.0705, 43.5511**, and the grayscale version is **12.4766, 13.1264, 14.2946**.

A 20% lighter version of the original color is **53.5410, 34.1009, 42.2883**, and **22.6232, 11.5313, 6.9946** is the 20% darker color. If you saturate the color by 10%, you get **43.9148, 22.3299, 16.0160**, and if you desaturate by 10%, it is **46.4853, 24.8928, 24.8214**.

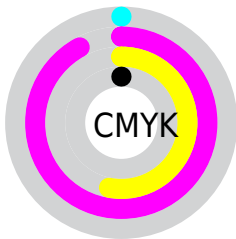
Distribution



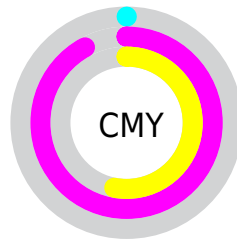
- Red (100%)
- Green (8%)
- Blue (47%)



- Red (100%)
- Yellow (8%)
- Blue (47%)



- Cyan (0%)
- Magenta (92%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8199, 23.0922, 19.5477 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 44.8199, 23.0922, 19.5477 by changing the saturation by 10% instead.

 44.8199, 23.0922,
19.5477


 44.8199, 23.0922,
19.5477


356.8396,
268.1982, 261.9787


 31.5163, 14.6616,
11.8859


 81.6888, 48.5447,
43.5065


 21.1460, 8.5822,
6.5444


 105.9848, 66.3353,
60.6406


 13.3439, 4.4697,
3.1048


 134.6756, 88.0148,
81.7692

 7.7444, 1.9396,
1.1484

 168.1266,
113.9675, 107.3108

 3.9822, 0.5720,
0.0000

 206.7032,
144.5778, 137.6841

 1.6921, 0.0000,
0.0000

250.7706,

 0.4513, 0.0000,

180.2301, 173.3074

0.0000

300.6943,
221.3087, 214.5994

■ 0.0000, 0.0000,
0.0000

■ 44.8199, 23.0922,
19.5477

■ 44.8199, 23.0922,
19.5477

■ 43.9148, 22.3299,
16.0160

■ 46.4853, 24.8928,
24.8214

■ 48.8822, 27.9262,
31.0472

■ 52.1082, 32.3791,
38.2855

■ 56.2443, 38.4050,
46.5891

■ 61.3612, 46.1373,
56.0065

67.5223, 55.6952,
66.5825

74.7855, 67.1869,
78.3590

83.2042, 80.7123,
91.3757

92.8282, 96.3642,
105.6700

Harmonies

Analogous

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



42.7438, 23.0922, 51.0374



44.8199, 23.0922, 19.5477



39.5223, 23.0922, 5.2812

Triad

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



44.8199, 23.0922, 19.5477



12.9057, 23.0922, 2.4237



15.6582, 23.0922, 107.2900

Complementary

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



44.8199, 23.0922, 19.5477



42.0534, 74.0705, 43.5511

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.



10.5527, 23.0922, 69.8203



44.8199, 23.0922, 19.5477



9.3044, 23.0922, 9.9365

Square

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



44.8199, 23.0922, 19.5477



19.8960, 23.0922, 0.8875



8.5843, 23.0922, 31.7166



24.1374, 23.0922, 117.4684

Rectangle

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



44.8199, 23.0922, 19.5477



33.2111, 23.0922, 2.0510



8.5843, 23.0922, 31.7166



13.5722, 23.0922, 96.6181

Sweetspot

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



44.8205, 23.0936, 19.5480



70.3933, 60.2133, 71.3112



31.4725, 14.5120, 95.7496



14.4276, 11.8819, 14.2097



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.



44.8205, 23.0936, 19.5480



43.9149, 22.3300, 16.0161



41.9884, 22.5545, 2.8042



18.3268, 18.1140, 20.3379



23.0172, 11.6962, 8.7409



2.2942, 1.1601, 1.1308

Inverse Universe

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



44.8205, 23.0936, 19.5480



43.9149, 22.3300, 16.0161



49.3041, 69.2988, 105.3847



18.3268, 18.1140, 20.3379



23.0172, 11.6962, 8.7409



2.2942, 1.1601, 1.1308

Previews

White Background



This preview shows how the XYZ color 44.8199, 23.0922, 19.5477 looks on a white background.

Color Contrast Check

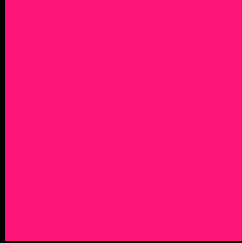
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.8199, 23.0922, 19.5477 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 44.8199, 23.0922, 19.5477

Background



This preview shows how black text looks on a background with the XYZ color 44.8199, 23.0922, 19.5477.



This preview shows how white text looks on a background with the XYZ color 44.8199, 23.0922,

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

44.8199, 23.0922, 19.5477

Protanopia

23.6354, 23.3838, 41.7959

Deuteranopia

23.7524, 23.3911, 17.4504



Tritanopia

41.8612, 23.2069, 5.2907

Trichromacy



Original Color

44.8199, 23.0922, 19.5477



Protanomaly

26.2032, 18.4071, 31.8776



Deuteranomaly

27.9829, 19.3910, 17.5972



Tritanomaly

42.5035, 22.8417, 8.8253

Monochromacy



Original Color

44.8199, 23.0922, 19.5477



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

19.1247, 12.9865, 15.6860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8199, 23.0922, 19.5477 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, 20, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 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, 20, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 119) }
```

Border

The CSS property to change the border of an element to XYZ 44.8199, 23.0922, 19.5477 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, 20, 119) }
```


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

```
.border{ border-color:rgb(255, 20, 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, 20, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8199, 23.0922, 19.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 119) }
```

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

```
.background{ background-color: rgb(255, 20,  
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](#).

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