

Converting Colors

XYZ(45.4552, 24.5260, 19.2564)

Have a look what the booklet for
XYZ(45.4552, 24.5260, 19.2564)
contains.

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Color

**XYZ(45.4279, 24.4983,
19.1640)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E75
RGB	255, 46, 117
RGB Percent	100%, 18%, 46%
CMY	0.0000, 0.8195, 0.5412
CMYK	0.00, 0.82, 0.54, 0.00
HSL	340°, 100%, 59%
HSV	340°, 82%, 100%
XYZ	45.4279, 24.4983, 19.1640
YIQ	116.5850, 101.7730, 66.3890

Conversions

Conversions Part 2

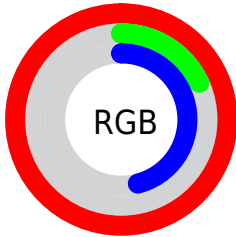
Format	Color
R_{YB}	255, 46, 117
Decimal	16723573
CIE _{Lab}	56.58, 78.07, 13.06
CIE _{LCh}	57, 79.155, 9.497
Yxy	24.4983, 0.5099, 0.2750
Android (android.graphics.Color)	4294913653 (0xFFFF2E75)
YUV	116.5850, 0.2046, 121.3900
Hunter-Lab	49.4958, 77.2122, 11.6908

Details

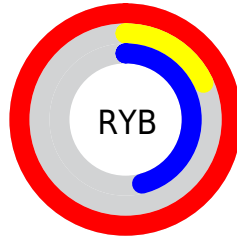
The XYZ color **45.4279, 24.4983, 19.1640** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **45.5410, 75.5625, 57.5419**, and the grayscale version is **16.7603, 17.6331, 19.2025**.

A 20% lighter version of the original color is **54.5322, 36.3860, 41.6852**, and **22.5600, 11.5060, 6.6621** is the 20% darker color. If you saturate the color by 10%, you get **43.8074, 22.7020, 14.1707**, and if you desaturate by 10%, it is **47.8181, 27.5494, 25.2928**.

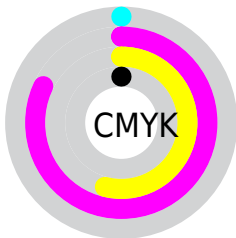
Distribution



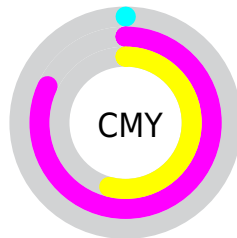
- Red (100%)
- Green (18%)
- Blue (46%)



- Red (100%)
- Yellow (18%)
- Blue (46%)



- Cyan (0%)
- Magenta (82%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (82%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4279, 24.4983, 19.1640 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 45.4279, 24.4983, 19.1640 by changing the saturation by 10% instead.


 45.4279, 24.4983,
19.1640


 45.4279, 24.4983,
19.1640


359.2584,
275.3301, 259.8055


 31.9973, 15.7037,
11.6108


 82.5953, 50.8421,
42.8514


 21.5150, 9.3147,
6.3600


 107.0628, 69.1601,
59.8228


 13.6156, 4.9470,
2.9929


 135.9399, 91.4214,
80.7706

 7.9337, 2.2162,
1.0910

 169.5921,
118.0103, 106.1134

 4.1040, 0.7288,
0.0000

 208.3847,
149.3112, 136.2697

 1.7611, 0.0000,
0.0000

252.6831,

 0.4941, 0.0000,

185.7086, 171.6582

0.0000

302.8525,
227.5867, 212.6972

■ 0.0000, 0.0000,
0.0000

■ 45.4279, 24.4983,
19.1640

■ 45.4279, 24.4983,
19.1640

■ 43.8074, 22.7020,
14.1707

■ 47.8181, 27.5494,
25.2928

■ 42.9444, 21.9417,
10.9058

■ 51.0761, 32.0367,
32.6329

■ 55.2862, 38.1159,
41.2534

■ 60.5217, 45.9212,
51.2168

■ 66.8485, 55.5725,
62.5814

74.3267, 67.1789,
75.4016

83.0119, 80.8411,
89.7287

92.9560, 96.6525,
105.6114

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



44.0719, 24.4983, 48.6202



45.4279, 24.4983, 19.1640



39.7587, 24.4983, 5.6955

Triad

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



45.4279, 24.4983, 19.1640



13.7556, 24.4983, 3.5785



17.6271, 24.4983, 107.7191

Complementary

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



45.4279, 24.4983, 19.1640



45.5410, 75.5625, 57.5419

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.



12.1363, 24.4983, 73.5572



45.4279, 24.4983, 19.1640



10.3439, 24.4983, 12.5837

Square

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



45.4279, 24.4983, 19.1640



20.4887, 24.4983, 1.4197



9.8415, 24.4983, 35.9283



26.3245, 24.4983, 114.2167

Rectangle

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



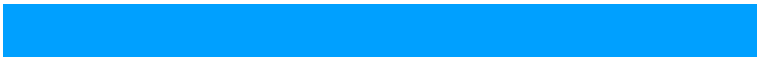
45.4279, 24.4983, 19.1640



33.4570, 24.4983, 2.5130



9.8415, 24.4983, 35.9283



15.4169, 24.4983, 98.3702

Sweetspot

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



45.4285, 24.4997, 19.1644



71.9233, 63.4299, 71.3388



38.2851, 19.1030, 96.2769



14.8306, 12.7011, 14.3033



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.



45.4285, 24.4997, 19.1644



43.1400, 22.1086, 11.6621



44.4129, 26.8164, 5.4220



18.2639, 18.0889, 20.0071



22.5017, 11.4900, 6.0267



2.2396, 1.1382, 0.8433

Inverse Universe

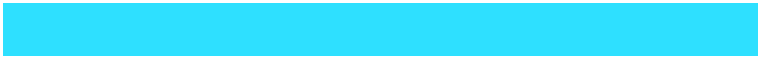
The Inverse Universe completely reimagines the original color for something new.



45.4285, 24.4997, 19.1644



43.1400, 22.1086, 11.6621



45.7399, 60.9260, 103.9566



18.2639, 18.0889, 20.0071



22.5017, 11.4900, 6.0267



2.2396, 1.1382, 0.8433

Previews

White Background



This preview shows how the XYZ color 45.4279, 24.4983, 19.1640 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 45.4279, 24.4983, 19.1640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

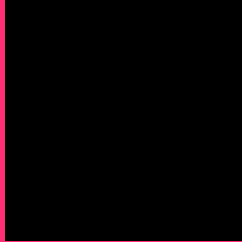
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4279, 24.4983, 19.1640

Background



This preview shows how black text looks on a background with the XYZ color 45.4279, 24.4983, 19.1640.



This preview shows how white text looks on a background with the XYZ color 45.4279, 24.4983,

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

45.4279, 24.4983, 19.1640

Protanopia

24.5456, 24.7619, 37.6682

Deuteranopia

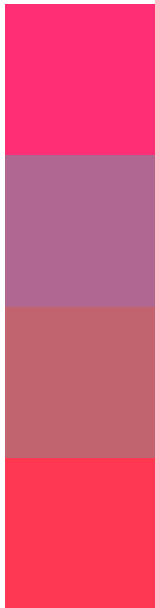
25.0682, 24.6651, 17.3495



Tritanopia

43.0740, 24.5790, 7.1766

Trichromacy



Original Color

45.4279, 24.4983, 19.1640

Protanomaly

27.9431, 21.0059, 29.7759

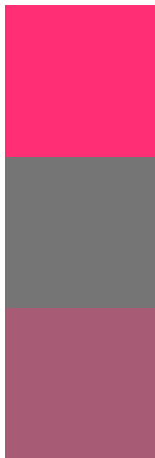
Deuteranomaly

29.6745, 21.7314, 17.6695

Tritanomaly

43.8486, 24.5237, 10.6061

Monochromacy



Original Color

45.4279, 24.4983, 19.1640

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

22.8883, 16.9820, 18.9011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4279, 24.4983, 19.1640 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, 46, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 117)  
}
```

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, 46, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 117) }
```

Border

The CSS property to change the border of an element to XYZ 45.4279, 24.4983, 19.1640 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, 46, 117) }
```


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

```
.border{ border-color:rgb(255, 46, 117) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4279, 24.4983, 19.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 117) }
```

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

```
.background{ background-color: rgb(255, 46,  
117) }
```

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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