

Converting Colors

XYZ(49.1918, 26.3850, 19.6606)

Have a look what the booklet for
XYZ(49.1918, 26.3850, 19.6606)
contains.

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Color

**XYZ(45.4484, 24.4448,
19.4625)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2D76
RGB	255, 45, 118
RGB Percent	100%, 18%, 46%
CMY	0.0000, 0.8234, 0.5373
CMYK	0.00, 0.82, 0.54, 0.00
HSL	339°, 100%, 59%
HSV	339°, 82%, 100%
XYZ	45.4484, 24.4448, 19.4625
YIQ	116.1120, 101.7270, 67.2230

Conversions

Conversions Part 2

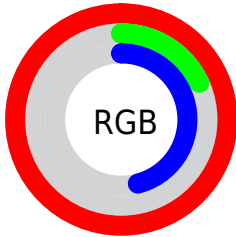
Format	Color
R_{YB}	255, 45, 118
Decimal	16723318
CIE _{Lab}	56.53, 78.36, 12.39
CIE _{LCh}	57, 79.331, 8.986
Yxy	24.4448, 0.5086, 0.2736
Android (android.graphics.Color)	4294913398 (0xFFFF2D76)
YUV	116.1120, 0.9308, 121.8048
Hunter-Lab	49.4417, 77.5601, 11.2699

Details

The XYZ color **45.4484, 24.4448, 19.4625** 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 **45.2884, 75.4562, 56.4440**, and the grayscale version is **16.6131, 17.4783, 19.0338**.

A 20% lighter version of the original color is **54.5130, 36.1969, 42.1438**, and **22.5913, 11.5186, 6.8270** is the 20% darker color. If you saturate the color by 10%, you get **43.8484, 22.6902, 14.4740**, and if you desaturate by 10%, it is **47.8104, 27.4447, 25.5656**.

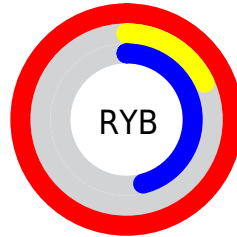
Distribution



Red (100%)

Green (18%)

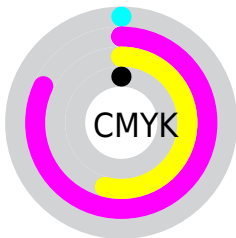
Blue (46%)



Red (100%)

Yellow (18%)

Blue (46%)

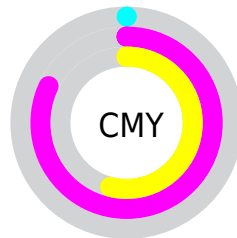


Cyan (0%)

Magenta (82%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4484, 24.4448, 19.4625 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 45.4484, 24.4448, 19.4625 by changing the saturation by 10% instead.

 45.4484, 24.4448,
19.4625


 45.4484, 24.4448,
19.4625

359.3398,
275.0616, 261.4975


 32.0135, 15.6639,
11.8248


 82.6258, 50.7551,
43.3612


 21.5274, 9.2866,
6.5034


 107.0991, 69.0533,
60.4593


 13.6247, 4.9286,
3.0798


 135.9825, 91.2926,
81.5479

 7.9401, 2.2054,
1.1355

 169.6415,
117.8576, 107.0455

 4.1081, 0.7230,
0.0000

 208.4413,
149.1326, 137.3708

 1.7635, 0.0000,
0.0000

252.7474,

 0.4955, 0.0000,

185.5020, 172.9422

0.0000

302.9251,
227.3502, 214.1782

■ 0.0000, 0.0000,
0.0000

■ 45.4484, 24.4448,
19.4625

■ 45.4484, 24.4448,
19.4625

■ 43.8484, 22.6902,
14.4740

■ 47.8104, 27.4447,
25.5656

■ 43.0274, 21.9749,
11.3432

■ 51.0328, 31.8727,
32.8577

■ 55.2003, 37.8853,
41.4061

■ 60.3861, 45.6174,
51.2723

■ 66.6561, 55.1891,
62.5129

74.0703, 66.7100,
75.1812

82.6842, 80.2806,
89.3274

92.5497, 95.9948,
104.9989

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.



43.9645, 24.4448, 49.2262



45.4484, 24.4448, 19.4625



39.8721, 24.4448, 5.7748

Triad

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



45.4484, 24.4448, 19.4625



13.7885, 24.4448, 3.4666



17.4512, 24.4448, 107.4308

Complementary

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



45.4484, 24.4448, 19.4625



45.2884, 75.4562, 56.4440

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.



12.0193, 24.4448, 72.8951



45.4484, 24.4448, 19.4625



10.3255, 24.4448, 12.2706

Square

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



45.4484, 24.4448, 19.4625



20.5795, 24.4448, 1.3858



9.7769, 24.4448, 35.3378



26.1075, 24.4448, 114.5467

Rectangle

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



45.4484, 24.4448, 19.4625



33.5907, 24.4448, 2.5289



9.7769, 24.4448, 35.3378



15.2604, 24.4448, 97.9095

Sweetspot

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



45.4490, 24.4462, 19.4629



71.9873, 63.4555, 71.6759



38.1642, 18.9834, 96.2600



14.8456, 12.7071, 14.3826



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.



45.4490, 24.4462, 19.4629



43.1256, 22.0585, 11.7227



44.3341, 26.6900, 5.2997



18.2700, 18.0913, 20.0390



22.5461, 11.5077, 6.2602



2.2445, 1.1402, 0.8688

Inverse Universe

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



45.4490, 24.4462, 19.4629



43.1256, 22.0585, 11.7227



45.6552, 60.8227, 103.9410



18.2700, 18.0913, 20.0390



22.5461, 11.5077, 6.2602



2.2445, 1.1402, 0.8688

Previews

White Background



This preview shows how the XYZ color 45.4484, 24.4448, 19.4625 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 45.4484, 24.4448, 19.4625 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 45.4484, 24.4448, 19.4625

Background



This preview shows how black text looks on a background with the XYZ color 45.4484, 24.4448, 19.4625.



This preview shows how white text looks on a background with the XYZ color 45.4484, 24.4448,

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

45.4484, 24.4448, 19.4625

Protanopia

24.4808, 24.7181, 38.1311

Deuteranopia

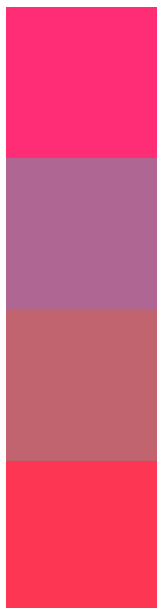
25.1211, 24.6862, 17.6283



Tritanopia

42.7108, 24.3918, 7.1596

Trichromacy



Original Color

45.4484, 24.4448, 19.4625

Protanomaly

27.6970, 20.7233, 30.1440

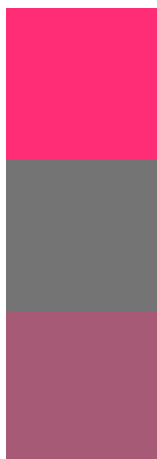
Deuteranomaly

29.7299, 21.7535, 17.9611

Tritanomaly

43.4355, 24.2396, 10.5730

Monochromacy



Original Color

45.4484, 24.4448, 19.4625

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

22.8034, 16.8122, 18.8728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4484, 24.4448, 19.4625 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, 45, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 118)  
}
```

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, 45, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 118) }
```

Border

The CSS property to change the border of an element to XYZ 45.4484, 24.4448, 19.4625 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, 45, 118) }
```


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

```
.border{ border-color:rgb(255, 45, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 45, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4484, 24.4448, 19.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 118) }
```

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

```
.background{ background-color: rgb(255, 45,  
118) }
```

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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