

Converting Colors

XYZ(66.7873, 35.9426, 19.6208)

Have a look what the booklet for
XYZ(66.7873, 35.9426, 19.6208)
contains.

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Color

**XYZ(45.6076, 25.0440,
18.6498)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3573
RGB	255, 53, 115
RGB Percent	100%, 21%, 45%
CMY	0.0000, 0.7921, 0.5490
CMYK	0.00, 0.79, 0.55, 0.00
HSL	342°, 100%, 60%
HSV	342°, 79%, 100%
XYZ	45.6076, 25.0440, 18.6498
YIQ	120.4660, 100.4900, 62.1060

Conversions

Conversions Part 2

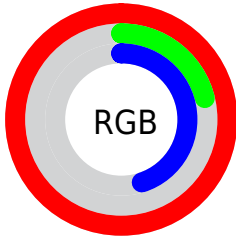
Format	Color
R_{YB}	255, 53, 115
Decimal	16725363
CIE _{Lab}	57.12, 76.28, 14.99
CIE _{LCh}	57, 77.739, 11.121
Yxy	25.0440, 0.5107, 0.2804
Android (android.graphics.Color)	4294915443 (0xFFFF3573)
YUV	120.4660, -2.6947, 117.9863
Hunter-Lab	50.0440, 75.0991, 12.9353

Details

The XYZ color **45.6076, 25.0440, 18.6498** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **46.8564, 76.1280, 62.6861**, and the grayscale version is **17.9901, 18.9270, 20.6115**.

A 20% lighter version of the original color is **54.8119, 37.2437, 40.8591**, and **22.5292, 11.4937, 6.4999** is the 20% darker color. If you saturate the color by 10%, you get **43.8166, 22.9368, 13.5069**, and if you desaturate by 10%, it is **48.2123, 28.4669, 25.0263**.

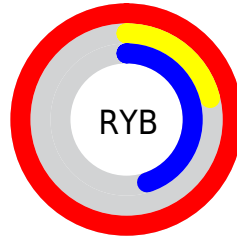
Distribution



Red (100%)

Green (21%)

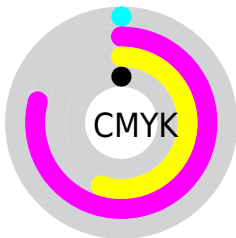
Blue (45%)



Red (100%)

Yellow (21%)

Blue (45%)

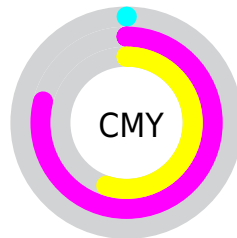


Cyan (0%)

Magenta (79%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (79%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6076, 25.0440, 18.6498 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 45.6076, 25.0440, 18.6498 by changing the saturation by 10% instead.


 45.6076, 25.0440,
18.6498


 45.6076, 25.0440,
18.6498


359.9713,
278.0570, 256.8666


 32.1396, 16.1098,
11.2433


 82.8629, 51.7286,
41.9703


 21.6242, 9.6019,
6.1145


 107.3809, 70.2478,
58.7213


 13.6961, 5.1358,
2.8449

 136.3129, 92.7309,
79.4243

 7.9899, 2.3272,
1.0160

 170.0244,
119.5621, 104.4977

 4.1402, 0.7880,
0.0000

 208.8806,
151.1259, 134.3600

 1.7818, 0.0000,
0.0000

253.2469,

 0.5066, 0.0000,

187.8068, 169.4300

0.0000

303.4887,
229.9890, 210.1259

■ 0.0000, 0.0000,
0.0000

■ 45.6076, 25.0440,
18.6498

■ 45.6076, 25.0440,
18.6498

■ 43.8166, 22.9368,
13.5069

■ 48.2123, 28.4669,
25.0263

■ 42.6968, 21.8777,
9.4944

■ 51.7251, 33.3772,
32.7182

■ 42.6241, 21.8136,
9.2193

■ 56.2285, 39.9250,
41.8004

■ 61.7949, 48.2406,
52.3412

■ 68.4897, 58.4411,
64.4041

■ 76.3727, 70.6336,
78.0487

■ 85.4996, 84.9170,
93.3312

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.



44.6628, 25.0440, 47.0646



45.6076, 25.0440, 18.6498



39.6910, 25.0440, 5.7282

Triad

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



45.6076, 25.0440, 18.6498



13.9970, 25.0440, 4.1865



18.5470, 25.0440, 108.2684

Complementary

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



45.6076, 25.0440, 18.6498



46.8564, 76.1280, 62.6861

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.



12.8473, 25.0440, 75.7178



45.6076, 25.0440, 18.6498



10.7241, 25.0440, 13.9863

Square

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



45.6076, 25.0440, 18.6498



20.5651, 25.0440, 1.6796



10.3657, 25.0440, 38.2022



27.3653, 25.0440, 112.7580

Rectangle

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



45.6076, 25.0440, 18.6498



33.3641, 25.0440, 2.6548



10.3657, 25.0440, 38.2022



16.2698, 25.0440, 99.5861

Sweetspot

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



45.6082, 25.0455, 18.6502



72.4444, 64.5374, 71.3109



40.8193, 20.8491, 96.4802



14.9196, 12.9085, 14.2423



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.



45.6082, 25.0455, 18.6502



43.1047, 22.2311, 11.0554



45.5430, 28.8374, 6.5360



18.2389, 18.0789, 19.8750



22.3302, 11.4214, 5.1232



2.2205, 1.1306, 0.7428

Inverse Universe

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



45.6082, 25.0455, 18.6502



43.1047, 22.2311, 11.0554



44.5825, 58.1042, 103.4728



18.2389, 18.0789, 19.8750



22.3302, 11.4214, 5.1232



2.2205, 1.1306, 0.7428

Previews

White Background



This preview shows how the XYZ color 45.6076, 25.0440, 18.6498 looks on a white background.

Color Contrast Check

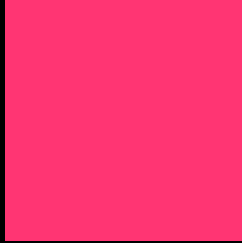
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6076, 25.0440, 18.6498 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 45.6076, 25.0440, 18.6498

Background



This preview shows how black text looks on a background with the XYZ color 45.6076, 25.0440, 18.6498.



This preview shows how white text looks on a background with the XYZ color 45.6076, 25.0440,

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

45.6076, 25.0440, 18.6498

Protanopia

24.7215, 25.1110, 35.4422

Deuteranopia

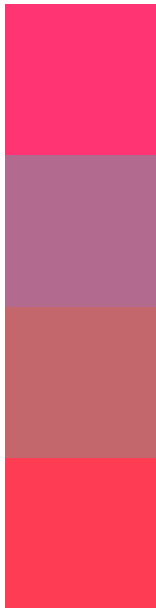
25.4990, 25.0995, 16.8653



Tritanopia

43.4114, 25.0685, 7.8609

Trichromacy



Original Color

45.6076, 25.0440, 18.6498

Protanomaly

28.3966, 21.7260, 28.2881

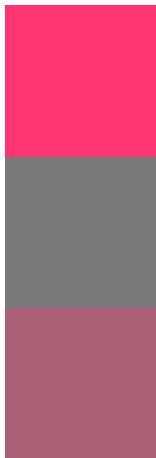
Deuteranomaly

30.1162, 22.4067, 17.2056

Tritanomaly

44.1420, 25.0484, 10.8958

Monochromacy



Original Color

45.6076, 25.0440, 18.6498

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.8151, 18.1088, 19.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6076, 25.0440, 18.6498 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, 53, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 115)  
}
```

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, 53, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 115) }
```

Border

The CSS property to change the border of an element to XYZ 45.6076, 25.0440, 18.6498 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, 53, 115) }
```


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

```
.border{ border-color:rgb(255, 53, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6076, 25.0440, 18.6498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 115) }
```

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

```
.background{ background-color: rgb(255, 53,  
115) }
```

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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