

Converting Colors

XYZ(45.3662, 24.8046, 17.8189)

Have a look what the booklet for
XYZ(45.3662, 24.8046, 17.8189)
contains.

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Color

**XYZ(45.3485, 24.7975,
17.7255)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3370
RGB	255, 51, 112
RGB Percent	100%, 20%, 44%
CMY	0.0000, 0.7999, 0.5608
CMYK	0.00, 0.80, 0.56, 0.00
HSL	342°, 100%, 60%
HSV	342°, 80%, 100%
XYZ	45.3485, 24.7975, 17.7255
YIQ	118.9500, 102.0030, 62.2190

Conversions

Conversions Part 2

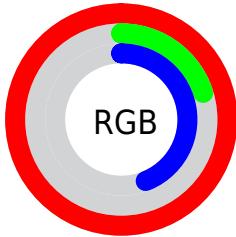
Format	Color
R_{YB}	255, 51, 112
Decimal	16724848
CIE _{Lab}	56.88, 76.57, 16.45
CIE _{LCh}	57, 78.320, 12.121
Yxy	24.7975, 0.5161, 0.2822
Android (android.graphics.Color)	4294914928 (0xFFFF3370)
YUV	118.9500, -3.4263, 119.3159
Hunter-Lab	49.7971, 75.4089, 13.7534

Details

The XYZ color **45.3485, 24.7975, 17.7255** 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 **46.8655, 76.1198, 63.2712**, and the grayscale version is **17.5091, 18.4209, 20.0604**.

A 20% lighter version of the original color is **54.3293, 36.8612, 38.9018**, and **22.4400, 11.4580, 6.0299** is the 20% darker color. If you saturate the color by 10%, you get **43.6246, 22.7879, 12.7181**, and if you desaturate by 10%, it is **47.8811, 28.1088, 23.9777**.

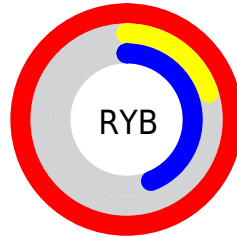
Distribution



Red (100%)

Green (20%)

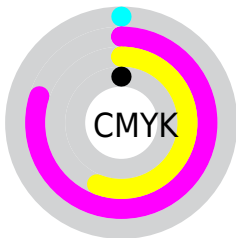
Blue (44%)



Red (100%)

Yellow (20%)

Blue (44%)

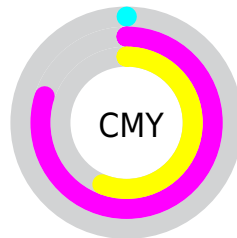


Cyan (0%)

Magenta (80%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3485, 24.7975, 17.7255 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 45.3485, 24.7975, 17.7255 by changing the saturation by 10% instead.

 45.3485, 24.7975,
17.7255


 45.3485, 24.7975,
17.7255


358.9432,
276.8280, 251.5032

 31.9345, 15.9263,
10.5857


 82.4770, 51.3285,
40.3766


 21.4667, 9.4720,
5.6783


 106.9221, 69.7571,
56.7250


 13.5800, 5.0503,
2.5849


 135.7750, 92.1402,
76.9800

 7.9089, 2.2768,
0.8846

 169.4010,
118.8623, 101.5602

 4.0880, 0.7614,
0.0000

 208.1655,
150.3077, 130.8841

 1.7520, 0.0000,
0.0000

252.4338,

 0.4885, 0.0000,

186.8608, 165.3701

0.0000

302.5712,
228.9061, 205.4370

■ 0.0000, 0.0000,
0.0000

■ 45.3485, 24.7975,
17.7255

■ 45.3485, 24.7975,
17.7255

■ 43.6246, 22.7879,
12.7181

■ 47.8811, 28.1088,
23.9777

■ 42.5532, 21.7856,
8.8449

■ 51.3187, 32.8964,
31.5595

■ 42.5526, 21.7850,
8.8426

■ 55.7452, 39.3122,
40.5485

■ 61.2340, 47.4881,
51.0152

■ 67.8511, 57.5420,
63.0252

■ 75.6571, 69.5819,
76.6399

■ 84.7084, 83.7075,
91.9171

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.



44.6432, 24.7975, 45.6557



45.3485, 24.7975, 17.7255



39.2126, 24.7975, 5.3212

Triad

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



45.3485, 24.7975, 17.7255



13.6123, 24.7975, 4.1968



18.5608, 24.7975, 109.1917

Complementary

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



45.3485, 24.7975, 17.7255



46.8655, 76.1198, 63.2712

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.



12.7623, 24.7975, 76.9929



45.3485, 24.7975, 17.7255



10.4576, 24.7975, 14.2770

Square

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



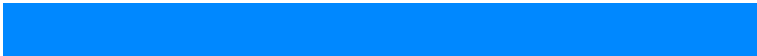
45.3485, 24.7975, 17.7255



20.0578, 24.7975, 1.6088



10.1933, 24.7975, 39.0503



27.4683, 24.7975, 112.5572

Rectangle

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



45.3485, 24.7975, 17.7255



32.8111, 24.7975, 2.4445



10.1933, 24.7975, 39.0503



16.2496, 24.7975, 100.7348

Sweetspot

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



45.3491, 24.7990, 17.7259



72.3832, 64.5129, 70.9884



41.4326, 21.0327, 96.4834



14.9051, 12.9027, 14.1661



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.



45.3491, 24.7990, 17.7259



42.9270, 22.1119, 10.2675



45.6488, 29.1212, 6.3490



18.2328, 18.0764, 19.8432



22.2917, 11.4060, 4.9207



2.2162, 1.1288, 0.7198

Inverse Universe

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



45.3491, 24.7990, 17.7259



42.9270, 22.1119, 10.2675



43.5141, 56.1203, 103.1463



18.2328, 18.0764, 19.8432



22.2917, 11.4060, 4.9207



2.2162, 1.1288, 0.7198

Previews

White Background



This preview shows how the XYZ color 45.3485, 24.7975, 17.7255 looks on a white background.

Color Contrast Check

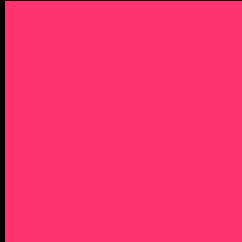
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3485, 24.7975, 17.7255 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 45.3485, 24.7975, 17.7255

Background



This preview shows how black text looks on a background with the XYZ color 45.3485, 24.7975, 17.7255.



This preview shows how white text looks on a background with the XYZ color 45.3485, 24.7975,

17.7255.

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

45.3485, 24.7975, 17.7255

Protanopia

24.3854, 24.9766, 33.6727

Deuteranopia

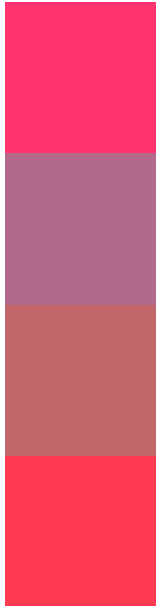
25.2125, 24.7690, 16.0224



Tritanopia

43.2397, 24.8193, 7.5127

Trichromacy



Original Color

45.3485, 24.7975, 17.7255

Protanomaly

27.9991, 21.4031, 26.7003

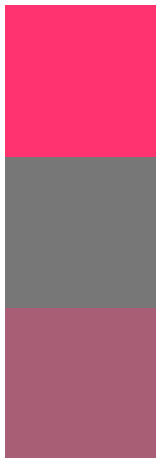
Deuteranomaly

29.8586, 22.1455, 16.3364

Tritanomaly

43.9600, 24.8080, 10.4541

Monochromacy



Original Color

45.3485, 24.7975, 17.7255

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

23.3035, 17.5912, 18.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3485, 24.7975, 17.7255 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, 51, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 112)  
}
```

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, 51, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 112) }
```

Border

The CSS property to change the border of an element to XYZ 45.3485, 24.7975, 17.7255 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, 51, 112) }
```


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

```
.border{ border-color:rgb(255, 51, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3485, 24.7975, 17.7255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 112) }
```

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

```
.background{ background-color: rgb(255, 51,  
112) }
```

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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