

Converting Colors

XYZ(60.0934, 32.0612, 18.7086)

Have a look what the booklet for
XYZ(60.0934, 32.0612, 18.7086)
contains.

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Color

**XYZ(45.1976, 24.4062,
17.9515)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E71
RGB	255, 46, 113
RGB Percent	100%, 18%, 44%
CMY	0.0000, 0.8195, 0.5569
CMYK	0.00, 0.82, 0.56, 0.00
HSL	341°, 100%, 59%
HSV	341°, 82%, 100%
XYZ	45.1976, 24.4062, 17.9515
YIQ	116.1290, 103.0570, 65.1450

Conversions

Conversions Part 2

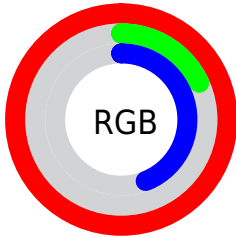
Format	Color
R_{YB}	255, 46, 113
Decimal	16723569
CIE _{Lab}	56.49, 77.80, 15.32
CIE _{LCh}	56, 79.295, 11.139
Yxy	24.4062, 0.5162, 0.2788
Android (android.graphics.Color)	4294913649 (0xFFFF2E71)
YUV	116.1290, -1.5426, 121.7899
Hunter-Lab	49.4026, 76.8519, 13.0376

Details

The XYZ color **45.1976, 24.4062, 17.9515** 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 **45.9665, 75.7326, 59.7824**, and the grayscale version is **16.6251, 17.4909, 19.0476**.

A 20% lighter version of the original color is **54.0716, 36.2018, 39.2597**, and **22.4692, 11.4697, 6.1839** is the 20% darker color. If you saturate the color by 10%, you get **43.5955, 22.6173, 13.0555**, and if you desaturate by 10%, it is **47.5775, 27.4532, 24.0259**.

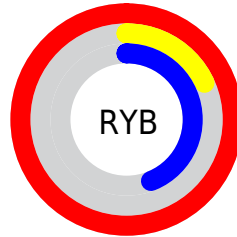
Distribution



Red (100%)

Green (18%)

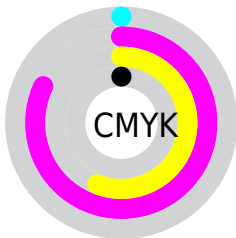
Blue (44%)



Red (100%)

Yellow (18%)

Blue (44%)

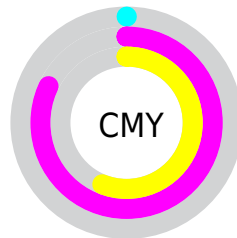


Cyan (0%)

Magenta (82%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1976, 24.4062, 17.9515 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 45.1976, 24.4062, 17.9515 by changing the saturation by 10% instead.


 45.1976, 24.4062,
17.9515

 45.1976, 24.4062,
17.9515


358.3435,
274.8677, 252.8245


 31.8150, 15.6352,
10.7461


 82.2521, 50.6923,
40.7675


 21.3751, 9.2664,
5.7844


 106.6547, 68.9761,
57.2151

 13.5125, 4.9153,
2.6477


 135.4614, 91.1997,
77.5806

 7.8618, 2.1977,
0.9169

 169.0376,
117.7474, 102.2825

 4.0577, 0.7187,
0.0000

 207.7485,
149.0037, 131.7393

 1.7348, 0.0000,
0.0000

251.9596,

 0.4779, 0.0000,

185.3529, 166.3695

0.0000

302.0361,
227.1795, 206.5917

■ 0.0000, 0.0000,
0.0000

■ 45.1976, 24.4062,
17.9515

■ 45.1976, 24.4062,
17.9515

■ 43.5955, 22.6173,
13.0555

■ 47.5775, 27.4532,
24.0259

■ 42.7526, 21.8650,
9.8962

■ 50.8342, 31.9400,
31.3594

■ 55.0530, 38.0227,
40.0257

■ 60.3080, 45.8358,
50.0915

■ 66.6657, 55.4995,
61.6188

74.1869, 67.1232,
74.6654

82.9278, 80.8076,
89.2859

92.9410, 96.6466,
105.5322

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.



44.2442, 24.4062, 46.5071



45.1976, 24.4062, 17.9515



39.2015, 24.4062, 5.2554

Triad

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



45.1976, 24.4062, 17.9515



13.4105, 24.4062, 3.7843



17.9438, 24.4062, 108.9220

Complementary

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



45.1976, 24.4062, 17.9515



45.9665, 75.7326, 59.7824

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.



12.2771, 24.4062, 75.6699



45.1976, 24.4062, 17.9515



10.1773, 24.4062, 13.3479

Square

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



45.1976, 24.4062, 17.9515



19.9500, 24.4062, 1.4299



9.8260, 24.4062, 37.5922



26.7793, 24.4062, 113.4995

Rectangle

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



45.1976, 24.4062, 17.9515



32.8085, 24.4062, 2.3318



9.8260, 24.4062, 37.5922



15.6745, 24.4062, 100.0410

Sweetspot

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



45.1982, 24.4076, 17.9519



71.7691, 63.3682, 70.5264



39.1172, 19.5320, 96.3156



14.7943, 12.6866, 14.1123



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.



45.1982, 24.4076, 17.9519



42.9429, 22.0297, 10.6242



44.6646, 27.3198, 5.5059



18.2493, 18.0830, 19.9299



22.3992, 11.4490, 5.4865



2.2283, 1.1337, 0.7836

Inverse Universe

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



45.1982, 24.4076, 17.9519



42.9429, 22.0297, 10.6242



44.8152, 59.0766, 103.6482



18.2493, 18.0830, 19.9299



22.3992, 11.4490, 5.4865



2.2283, 1.1337, 0.7836

Previews

White Background



This preview shows how the XYZ color 45.1976, 24.4062, 17.9515 looks on a white background.

Color Contrast Check

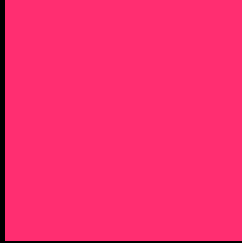
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1976, 24.4062, 17.9515 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 45.1976, 24.4062, 17.9515

Background



This preview shows how black text looks on a background with the XYZ color 45.1976, 24.4062, 17.9515.



This preview shows how white text looks on a background with the XYZ color 45.1976, 24.4062,

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

45.1976, 24.4062, 17.9515

Protanopia

24.1804, 24.6338, 34.9328

Deuteranopia

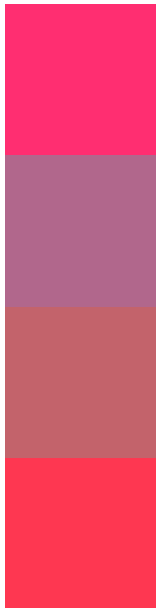
24.9280, 24.4181, 16.2313



Tritanopia

42.9934, 24.4622, 7.0131

Trichromacy



Original Color

45.1976, 24.4062, 17.9515

Protanomaly

27.7153, 20.9411, 27.3922

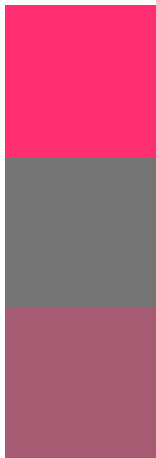
Deuteranomaly

29.6214, 21.5873, 16.5155

Tritanomaly

43.7244, 24.3973, 10.1892

Monochromacy



Original Color

45.1976, 24.4062, 17.9515

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

22.7719, 16.9355, 18.2883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1976, 24.4062, 17.9515 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 113) }
```

Border

The CSS property to change the border of an element to XYZ 45.1976, 24.4062, 17.9515 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, 113) }
```


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

```
.border{ border-color:rgb(255, 46, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1976, 24.4062, 17.9515 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, 113) }
```

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

```
.background{ background-color: rgb(255, 46,  
113) }
```

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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