

Converting Colors

XYZ(46.3645, 24.7124, 24.5910)

Have a look what the booklet for
XYZ(46.3645, 24.7124, 24.5910)
contains.

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Color

**XYZ(46.3375, 24.6812,
24.5120)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2B85
RGB	255, 43, 133
RGB Percent	100%, 17%, 52%
CMY	0.0000, 0.8313, 0.4784
CMYK	0.00, 0.83, 0.48, 0.00
HSL	335°, 100%, 58%
HSV	335°, 83%, 100%
XYZ	46.3375, 24.6812, 24.5120
YIQ	116.6480, 97.4620, 72.9340

Conversions

Conversions Part 2

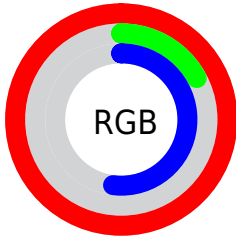
Format	Color
R_{YB}	255, 43, 133
Decimal	16722821
CIE _{Lab}	56.76, 79.89, 3.79
CIE _{LCh}	57, 79.975, 2.715
Yxy	24.6812, 0.4851, 0.2584
Android (android.graphics.Color)	4294912901 (0xFFFF2B85)
YUV	116.6480, 8.0615, 121.3347
Hunter-Lab	49.6802, 79.5495, 5.5227

Details

The XYZ color **46.3375, 24.6812, 24.5120** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **43.5503, 74.7511, 47.7398**, and the grayscale version is **16.7575, 17.6302, 19.1993**.

A 20% lighter version of the original color is **56.1202, 36.8398, 50.6073**, and **23.3385, 11.8466, 9.4440** is the 20% darker color. If you saturate the color by 10%, you get **44.7378, 22.9929, 19.3210**, and if you desaturate by 10%, it is **48.6583, 27.5853, 30.6427**.

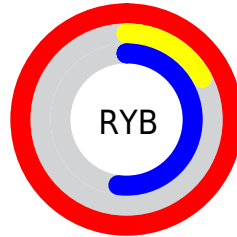
Distribution



Red (100%)

Green (17%)

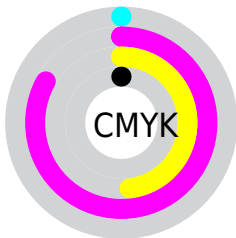
Blue (52%)



Red (100%)

Yellow (17%)

Blue (52%)

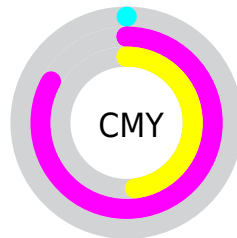


Cyan (0%)

Magenta (83%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3375, 24.6812, 24.5120 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 46.3375, 24.6812, 24.5120 by changing the saturation by 10% instead.


 46.3375, 24.6812,
24.5120


 46.3375, 24.6812,
24.5120


362.8571,
276.2466, 288.7683


 32.7180, 15.8397,
15.4982


 83.9486, 51.1396,
51.8187


 22.0687, 9.4108,
9.0193


 108.6710, 69.5252,
70.9486


 14.0243, 5.0101,
4.6568


 137.8250, 91.8610,
94.2877

 8.2194, 2.2532,
1.9921

 171.7760,
118.5314, 122.2543

 4.2886, 0.7488,
0.5504

 210.8893,
149.9208, 155.2672

 1.8667, 0.0000,
0.0000

255.5304,

 0.5574, 0.0000,

186.4135, 193.7448

0.0000

306.0645,
228.3939, 238.1057

■ 0.0000, 0.0000,
0.0000

■ 46.3375, 24.6812,
24.5120

■ 46.3375, 24.6812,
24.5120

■ 44.7378, 22.9929,
19.3210

■ 48.6583, 27.5853,
30.6427


■ 43.9595, 22.3478,
16.2514


■ 51.7973, 31.8901,
37.7721

■ 55.8374, 37.7532,
45.9537

■ 60.8500, 45.3096,
55.2358

■ 66.8991, 54.6795,
65.6629

 74.0429, 65.9723,
77.2769

 82.3352, 79.2885,
90.1171

 91.8261, 94.7215,
104.2210

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.



43.2950, 24.6812, 57.9897



46.3375, 24.6812, 24.5120



42.0286, 24.6812, 7.5679

Triad

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



46.3375, 24.6812, 24.5120



15.0351, 24.6812, 2.6783



16.1564, 24.6812, 103.3153

Complementary

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



46.3375, 24.6812, 24.5120



43.5503, 74.7511, 47.7398

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.



11.3676, 24.6812, 65.3195



46.3375, 24.6812, 24.5120



10.8512, 24.6812, 9.5278

Square

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



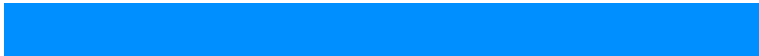
46.3375, 24.6812, 24.5120



22.6189, 24.6812, 1.2879



9.7115, 24.6812, 29.3823



24.3191, 24.6812, 117.8390

Rectangle

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



46.3375, 24.6812, 24.5120



36.0955, 24.6812, 3.2161



9.7115, 24.6812, 29.3823



14.1805, 24.6812, 92.0115

Sweetspot

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



46.3382, 24.6826, 24.5124



72.6209, 63.7090, 75.0123



34.0479, 16.7507, 96.0461



14.9951, 12.7669, 15.1699



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.



46.3382, 24.6826, 24.5124



43.9596, 22.3479, 16.2514



43.1470, 24.3758, 4.7184



18.3293, 18.1150, 20.3514



23.0408, 11.7056, 8.8652



2.2967, 1.1610, 1.1436

Inverse Universe

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



46.3382, 24.6826, 24.5124



43.9596, 22.3479, 16.2514



50.4632, 70.5663, 105.5684



18.3293, 18.1150, 20.3514



23.0408, 11.7056, 8.8652



2.2967, 1.1610, 1.1436

Previews

White Background



This preview shows how the XYZ color 46.3375, 24.6812, 24.5120 looks on a white background.

Color Contrast Check

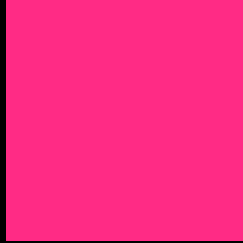
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3375, 24.6812, 24.5120 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 46.3375, 24.6812, 24.5120

Background



This preview shows how black text looks on a background with the XYZ color 46.3375, 24.6812, 24.5120.



This preview shows how white text looks on a background with the XYZ color 46.3375, 24.6812,

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

46.3375, 24.6812, 24.5120

Protanopia

25.4841, 24.9996, 48.8296

Deuteranopia

25.3440, 24.9012, 22.2095



Tritanopia

42.9616, 24.7556, 7.6682

Trichromacy



Original Color

46.3375, 24.6812, 24.5120



Protanomaly

28.3375, 20.8773, 38.1335



Deuteranomaly

29.8738, 21.7230, 22.6971



Tritanomaly

43.7676, 24.4492, 12.0852

Monochromacy



Original Color

46.3375, 24.6812, 24.5120



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

23.1677, 16.9579, 20.7910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3375, 24.6812, 24.5120 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, 43, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 133)  
}
```

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, 43, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 133) }
```

Border

The CSS property to change the border of an element to XYZ 46.3375, 24.6812, 24.5120 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, 43, 133) }
```


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

```
.border{ border-color:rgb(255, 43, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3375, 24.6812, 24.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 133) }
```

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

```
.background{ background-color: rgb(255, 43,  
133) }
```

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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