

Converting Colors

XYZ(45.1323, 24.7110, 16.5873)

Have a look what the booklet for
XYZ(45.1323, 24.7110, 16.5873)
contains.

XYZ(45.1306, 24.7104, 16.5783)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.1306, 24.7104,
16.5783)**

Conversions

Conversions Part 1

Format	Color
Hex	FF336C
RGB	255, 51, 108
RGB Percent	100%, 20%, 42%
CMY	0.0000, 0.7999, 0.5765
CMYK	0.00, 0.80, 0.58, 0.00
HSL	343°, 100%, 60%
HSV	343°, 80%, 100%
XYZ	45.1306, 24.7104, 16.5783
YIQ	118.4940, 103.2870, 60.9750

Conversions

Conversions Part 2

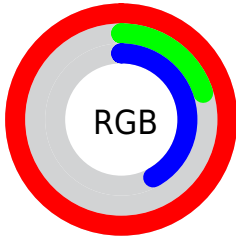
Format	Color
R_{YB}	255, 51, 108
Decimal	16724844
CIE _{Lab}	56.79, 76.32, 18.71
CIE _{LCh}	57, 78.575, 13.773
Yxy	24.7104, 0.5222, 0.2859
Android (android.graphics.Color)	4294914924 (0xFFFF336C)
YUV	118.4940, -5.1735, 119.7158
Hunter-Lab	49.7096, 75.0659, 15.0233

Details

The XYZ color **45.1306, 24.7104, 16.5783** 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 **47.3210, 76.3019, 65.6702**, and the grayscale version is **17.3705, 18.2752, 19.9016**.

A 20% lighter version of the original color is **53.9764, 36.7201, 37.0437**, and **22.3282, 11.4133, 5.4410** is the 20% darker color. If you saturate the color by 10%, you get **43.4281, 22.7093, 11.6836**, and if you desaturate by 10%, it is **47.6504, 28.0166, 22.7627**.

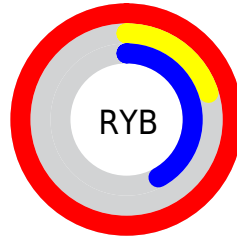
Distribution



Red (100%)

Green (20%)

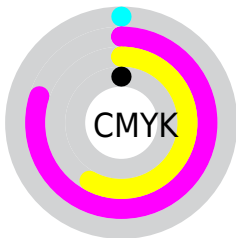
Blue (42%)



Red (100%)

Yellow (20%)

Blue (42%)

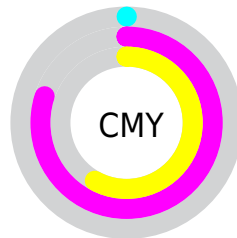


Cyan (0%)

Magenta (80%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1306, 24.7104, 16.5783 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 45.1306, 24.7104, 16.5783 by changing the saturation by 10% instead.


 45.1306, 24.7104,
16.5783


 45.1306, 24.7104,
16.5783


358.0770,
276.3926, 244.6915


 31.7620, 15.8614,
9.7755


 82.1522, 51.1870,
38.3800


 21.3345, 9.4261,
5.1467


 106.5360, 69.5834,
54.2159


 13.4826, 5.0202,
2.2734


 135.3221, 91.9312,
73.9000

 7.8409, 2.2591,
0.7162

 168.8761,
118.6145, 97.8508

 4.0443, 0.7519,
0.0000

 207.5632,
150.0180, 126.4868

 1.7272, 0.0000,
0.0000

251.7489,

 0.4732, 0.0000,

186.5259, 160.2265

0.0000

301.7983,
228.5226, 199.4886

■ 0.0000, 0.0000,
0.0000

■ 45.1306, 24.7104,
16.5783

■ 45.1306, 24.7104,
16.5783

■ 43.4281, 22.7093,
11.6836

■ 47.6504, 28.0166,
22.7627

■ 42.3853, 21.7184,
7.9611

■ 51.0848, 32.8030,
30.3277

■ 42.3846, 21.7178,
7.9587

■ 55.5188, 39.2219,
39.3559

■ 61.0266, 47.4053,
49.9228

■ 67.6751, 57.4719,
62.0983

■ 75.5258, 69.5298,
75.9479

■ 84.6356, 83.6788,
91.5332

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.



44.8291, 24.7104, 43.6411



45.1306, 24.7104, 16.5783



38.6706, 24.7104, 4.9012

Triad

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



45.1306, 24.7104, 16.5783



13.2722, 24.7104, 4.4259



18.8928, 24.7104, 110.4391

Complementary

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



45.1306, 24.7104, 16.5783



47.3210, 76.3019, 65.6702

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.



12.9104, 24.7104, 79.1937



45.1306, 24.7104, 16.5783



10.2916, 24.7104, 15.1107

Square

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



45.1306, 24.7104, 16.5783



19.5310, 24.7104, 1.6198



10.1792, 24.7104, 40.8193



27.9430, 24.7104, 111.8809

Rectangle

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



45.1306, 24.7104, 16.5783



32.1791, 24.7104, 2.2667



10.1792, 24.7104, 40.8193



16.5199, 24.7104, 102.4632

Sweetspot

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



45.1312, 24.7119, 16.5787



72.2322, 64.4525, 70.1934



42.3142, 21.4872, 96.5245



14.8695, 12.8885, 13.9784



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.



45.1312, 24.7119, 16.5787



42.7469, 22.0399, 9.3193



45.9493, 29.7221, 6.4493



18.2179, 18.0705, 19.7646



22.2012, 11.3698, 4.4442



2.2058, 1.1247, 0.6649

Inverse Universe

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



45.1312, 24.7119, 16.5787



42.7469, 22.0399, 9.3193



42.6616, 54.4152, 102.8619



18.2179, 18.0705, 19.7646



22.2012, 11.3698, 4.4442



2.2058, 1.1247, 0.6649

Previews

White Background



This preview shows how the XYZ color 45.1306, 24.7104, 16.5783 looks on a white background.

Color Contrast Check

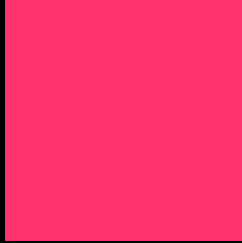
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1306, 24.7104, 16.5783 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 45.1306, 24.7104, 16.5783

Background



This preview shows how black text looks on a background with the XYZ color 45.1306, 24.7104, 16.5783.



This preview shows how white text looks on a background with the XYZ color 45.1306, 24.7104,

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

45.1306, 24.7104, 16.5783

Protanopia

24.3028, 24.9807, 31.5578

Deuteranopia

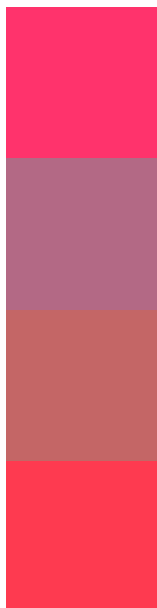
25.2212, 24.7958, 15.0120



Tritanopia

43.1561, 24.6981, 7.3431

Trichromacy



Original Color

45.1306, 24.7104, 16.5783

Protanomaly

27.8756, 21.3803, 24.8479

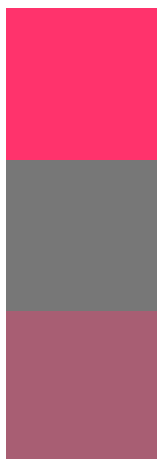
Deuteranomaly

29.9146, 22.1978, 15.2783

Tritanomaly

43.8341, 24.6761, 10.0421

Monochromacy



Original Color

45.1306, 24.7104, 16.5783

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

23.2457, 17.5680, 18.3854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1306, 24.7104, 16.5783 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 108) }
```

Border

The CSS property to change the border of an element to XYZ 45.1306, 24.7104, 16.5783 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, 108) }
```


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

```
.border{ border-color:rgb(255, 51, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1306, 24.7104, 16.5783 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, 108) }
```

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

```
.background{ background-color: rgb(255, 51,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor