

Converting Colors

XYZ(45.0421, 24.6750, 16.1124)

Have a look what the booklet for
XYZ(45.0421, 24.6750, 16.1124)
contains.

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Color

**XYZ(45.0253, 24.6683,
16.0240)**

Conversions

Conversions Part 1

Format	Color
Hex	FF336A
RGB	255, 51, 106
RGB Percent	100%, 20%, 42%
CMY	0.0000, 0.7999, 0.5843
CMYK	0.00, 0.80, 0.58, 0.00
HSL	344°, 100%, 60%
HSV	344°, 80%, 100%
XYZ	45.0253, 24.6683, 16.0240
YIQ	118.2660, 103.9290, 60.3530

Conversions

Conversions Part 2

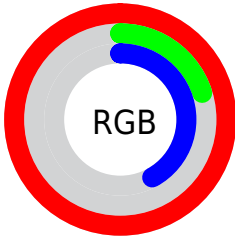
Format	Color
R_{YB}	255, 51, 106
Decimal	16724842
CIE _{Lab}	56.75, 76.19, 19.84
CIE _{LCh}	57, 78.731, 14.596
Yxy	24.6683, 0.5253, 0.2878
Android (android.graphics.Color)	4294914922 (0xFFFF336A)
YUV	118.2660, -6.0471, 119.9157
Hunter-Lab	49.6672, 74.8998, 15.6385

Details

The XYZ color **45.0253, 24.6683, 16.0240** 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 **47.5533, 76.3948, 66.8938**, and the grayscale version is **17.3015, 18.2025, 19.8225**.

A 20% lighter version of the original color is **53.8042, 36.6512, 36.1369**, and **22.2753, 11.3921, 5.1625** is the 20% darker color. If you saturate the color by 10%, you get **43.3342, 22.6718, 11.1892**, and if you desaturate by 10%, it is **47.5379, 27.9717, 22.1709**.

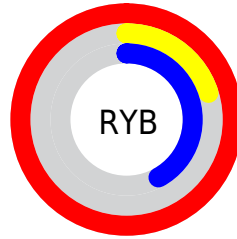
Distribution



Red (100%)

Green (20%)

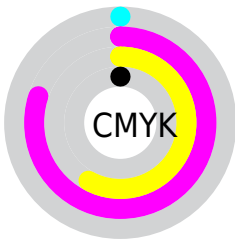
Blue (42%)



Red (100%)

Yellow (20%)

Blue (42%)

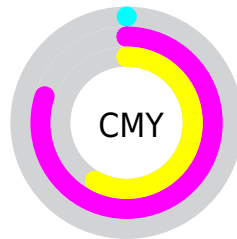


Cyan (0%)

Magenta (80%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0253, 24.6683, 16.0240 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 45.0253, 24.6683, 16.0240 by changing the saturation by 10% instead.


 45.0253, 24.6683,
16.0240


 45.0253, 24.6683,
16.0240


357.6580,
276.1820, 241.3338


 31.6787, 15.8301,
9.3866


 81.9952, 51.1186,
37.4072

 21.2706, 9.4040,
4.8940


 106.3492, 69.4995,
52.9902


 13.4355, 5.0056,
2.1275


 135.1031, 91.8301,
72.3920

 7.8082, 2.2506,
0.6321

 168.6223,
118.4947, 96.0313

 4.0232, 0.7474,
0.0000

 207.2719,
149.8778, 124.3266

 1.7153, 0.0000,
0.0000

251.4176,

 0.4658, 0.0000,

186.3638, 157.6964

0.0000

301.4244,
228.3371, 196.5593

■ 0.0000, 0.0000,
0.0000

■ 45.0253, 24.6683,
16.0240

■ 45.0253, 24.6683,
16.0240

■ 43.3342, 22.6718,
11.1892

■ 47.5379, 27.9717,
22.1709

■ 42.3063, 21.6868,
7.5453

■ 50.9701, 32.7571,
29.7238

■ 42.3056, 21.6862,
7.5430

■ 55.4072, 39.1773,
38.7683

■ 60.9239, 47.3644,
49.3824

■ 67.5878, 57.4371,
61.6382

■ 75.4604, 69.5037,
75.6034

■ 84.5992, 83.6644,
91.3416

95.0497, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9257, 24.6683, 42.6588



45.0253, 24.6683, 16.0240



38.4041, 24.6683, 4.6996

Triad

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



45.0253, 24.6683, 16.0240



13.1046, 24.6683, 4.5434



19.0613, 24.6683, 111.0774

Complementary

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



45.0253, 24.6683, 16.0240



47.5533, 76.3948, 66.8938

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.



12.9854, 24.6683, 80.3175



45.0253, 24.6683, 16.0240



10.2094, 24.6683, 15.5403

Square

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



45.0253, 24.6683, 16.0240



19.2718, 24.6683, 1.6251



10.1724, 24.6683, 41.7270



28.1842, 24.6683, 111.5542

Rectangle

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



45.0253, 24.6683, 16.0240



31.8681, 24.6683, 2.1808



10.1724, 24.6683, 41.7270



16.6570, 24.6683, 103.3449

Sweetspot

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



45.0259, 24.6698, 16.0244



72.1571, 64.4225, 69.7980



42.3141, 21.4872, 96.5243



14.8518, 12.8814, 13.8852



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.



45.0259, 24.6698, 16.0244



42.6616, 22.0058, 8.8701



45.9492, 29.7222, 6.4493



18.2104, 18.0675, 19.7253



22.1585, 11.3527, 4.2193



2.2007, 1.1227, 0.6386

Inverse Universe

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



45.0259, 24.6698, 16.0244



42.6616, 22.0058, 8.8701



42.6615, 54.4152, 102.8618



18.2104, 18.0675, 19.7253



22.1585, 11.3527, 4.2193



2.2007, 1.1227, 0.6386

Previews

White Background



This preview shows how the XYZ color 45.0253, 24.6683, 16.0240 looks on a white background.

Color Contrast Check

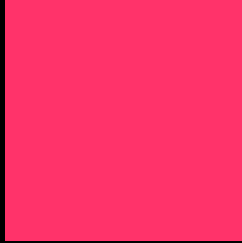
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.0253, 24.6683, 16.0240 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 45.0253, 24.6683, 16.0240

Background



This preview shows how black text looks on a background with the XYZ color 45.0253, 24.6683, 16.0240.



This preview shows how white text looks on a background with the XYZ color 45.0253, 24.6683,

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

45.0253, 24.6683, 16.0240

Protanopia

24.0683, 24.8869, 30.3232

Deuteranopia

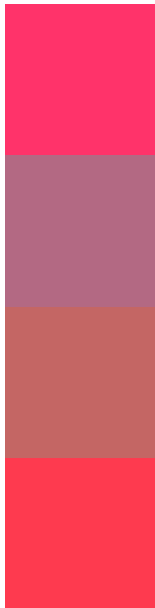
25.1279, 24.7585, 14.5208



Tritanopia

43.1278, 24.6868, 7.1946

Trichromacy



Original Color

45.0253, 24.6683, 16.0240

Protanomaly

27.7387, 21.3255, 24.1270

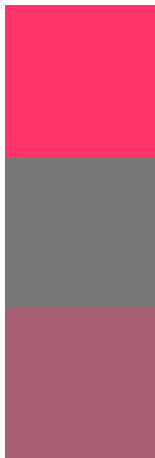
Deuteranomaly

29.8166, 22.1586, 14.7621

Tritanomaly

43.7974, 24.6615, 9.8489

Monochromacy



Original Color

45.0253, 24.6683, 16.0240

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

23.1884, 17.5451, 18.0840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0253, 24.6683, 16.0240 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 106) }
```

Border

The CSS property to change the border of an element to XYZ 45.0253, 24.6683, 16.0240 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, 106) }
```


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

```
.border{ border-color:rgb(255, 51, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0253, 24.6683, 16.0240 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, 106) }
```

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

```
.background{ background-color: rgb(255, 51,  
106) }
```

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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