

Converting Colors

XYZ(45.1699, 24.7261, 16.7854)

Have a look what the booklet for
XYZ(45.1699, 24.7261, 16.7854)
contains.

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Color

**XYZ(45.1841, 24.7318,
16.8602)**

Conversions

Conversions Part 1

Format	Color
Hex	FF336D
RGB	255, 51, 109
RGB Percent	100%, 20%, 43%
CMY	0.0000, 0.7999, 0.5725
CMYK	0.00, 0.80, 0.57, 0.00
HSL	343°, 100%, 60%
HSV	343°, 80%, 100%
XYZ	45.1841, 24.7318, 16.8602
YIQ	118.6080, 102.9660, 61.2860

Conversions

Conversions Part 2

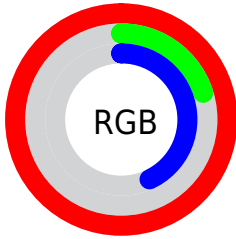
Format	Color
R_{YB}	255, 51, 109
Decimal	16724845
CIE _{Lab}	56.81, 76.38, 18.14
CIE _{LCh}	57, 78.504, 13.361
Yxy	24.7318, 0.5207, 0.2850
Android (android.graphics.Color)	4294914925 (0xFFFF336D)
YUV	118.6080, -4.7367, 119.6158
Hunter-Lab	49.7311, 75.1501, 14.7108

Details

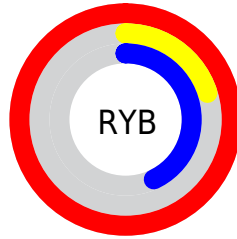
The XYZ color **45.1841, 24.7318, 16.8602** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **47.2060, 76.2559, 65.0647**, and the grayscale version is **17.4052, 18.3116, 19.9413**.

A 20% lighter version of the original color is **54.0636, 36.7549, 37.5027**, and **22.3554, 11.4242, 5.5843** is the 20% darker color. If you saturate the color by 10%, you get **43.4761, 22.7285, 11.9364**, and if you desaturate by 10%, it is **47.7072, 28.0394, 23.0625**.

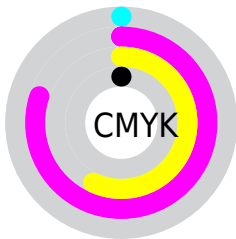
Distribution



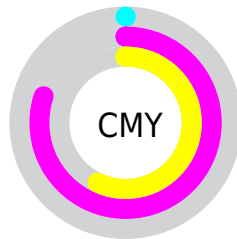
- Red (100%)
- Green (20%)
- Blue (43%)



- Red (100%)
- Yellow (20%)
- Blue (43%)



- Cyan (0%)
- Magenta (80%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1841, 24.7318, 16.8602 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 45.1841, 24.7318, 16.8602 by changing the saturation by 10% instead.

 45.1841, 24.7318,
16.8602


 45.1841, 24.7318,
16.8602


358.2898,
276.4996, 246.3821


 31.8044, 15.8774,
9.9740

 82.2320, 51.2218,
38.8726

 21.3669, 9.4374,
5.2763


 106.6308, 69.6261,
54.8359


 13.5065, 5.0276,
2.3487


 135.4334, 91.9825,
74.6619

 7.8576, 2.2634,
0.7583

 169.0051,
118.6754, 98.7692

 4.0550, 0.7543,
0.0000

 207.7112,
150.0892, 127.5763

 1.7333, 0.0000,
0.0000

251.9171,

 0.4770, 0.0000,

186.6082, 161.5018

0.0000

301.9882,
228.6169, 200.9642

■ 0.0000, 0.0000,
0.0000

■ 45.1841, 24.7318,
16.8602

■ 45.1841, 24.7318,
16.8602

■ 43.4761, 22.7285,
11.9364

■ 47.7072, 28.0394,
23.0625

■ 42.4259, 21.7347,
8.1754

■ 51.1427, 32.8261,
30.6326

■ 42.4253, 21.7341,
8.1730

■ 55.5749, 39.2443,
39.6518

■ 61.0781, 47.4260,
50.1944

■ 67.7189, 57.4894,
62.3292

■ 75.5586, 69.5429,
76.1205

■ 84.6538, 83.6860,
91.6292

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.



44.7817, 24.7318, 44.1383



45.1841, 24.7318, 16.8602



38.8049, 24.7318, 5.0041

Triad

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



45.1841, 24.7318, 16.8602



13.3566, 24.7318, 4.3679



18.8092, 24.7318, 110.1235

Complementary

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



45.1841, 24.7318, 16.8602



47.2060, 76.2559, 65.0647

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.



12.8732, 24.7318, 78.6377



45.1841, 24.7318, 16.8602



10.3329, 24.7318, 14.8991

Square

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



45.1841, 24.7318, 16.8602



19.6616, 24.7318, 1.6171



10.1826, 24.7318, 40.3713



27.8233, 24.7318, 112.0468

Rectangle

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



45.1841, 24.7318, 16.8602



32.3358, 24.7318, 2.3103



10.1826, 24.7318, 40.3713



16.4518, 24.7318, 102.0266

Sweetspot

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



45.1847, 24.7333, 16.8606



72.2698, 64.4676, 70.3915



41.4326, 21.0328, 96.4831



14.8784, 12.8920, 14.0252



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.



45.1847, 24.7333, 16.8606



42.7907, 22.0574, 9.5500



45.6488, 29.1213, 6.3491



18.2216, 18.0720, 19.7842



22.2232, 11.3786, 4.5599



2.2083, 1.1257, 0.6784

Inverse Universe

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



45.1847, 24.7333, 16.8606



42.7907, 22.0574, 9.5500



43.5141, 56.1203, 103.1460



18.2216, 18.0720, 19.7842



22.2232, 11.3786, 4.5599



2.2083, 1.1257, 0.6784

Previews

White Background



This preview shows how the XYZ color 45.1841, 24.7318, 16.8602 looks on a white background.

Color Contrast Check

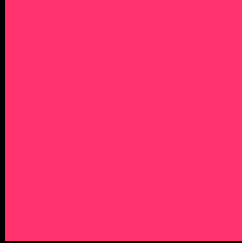
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1841, 24.7318, 16.8602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

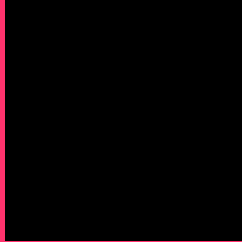
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1841, 24.7318, 16.8602

Background



This preview shows how black text looks on a background with the XYZ color 45.1841, 24.7318, 16.8602.

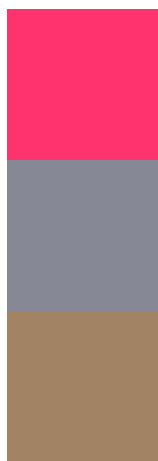


This preview shows how white text looks on a background with the XYZ color 45.1841, 24.7318,

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

45.1841, 24.7318, 16.8602

Protanopia

24.2206, 24.9291, 31.9690

Deuteranopia

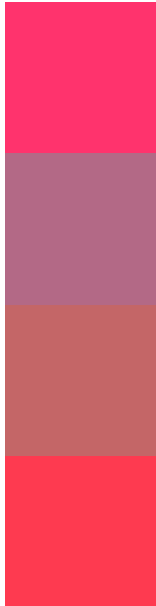
25.2687, 24.8148, 15.2623



Tritanopia

43.1561, 24.6981, 7.3431

Trichromacy



Original Color

45.1841, 24.7318, 16.8602

Protanomaly

27.9451, 21.4081, 25.2136

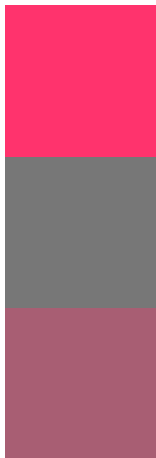
Deuteranomaly

29.9645, 22.2178, 15.5411

Tritanomaly

43.8341, 24.6761, 10.0421

Monochromacy



Original Color

45.1841, 24.7318, 16.8602

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 45.1841, 24.7318, 16.8602 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 109) }
```

Border

The CSS property to change the border of an element to XYZ 45.1841, 24.7318, 16.8602 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, 109) }
```


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

```
.border{ border-color:rgb(255, 51, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1841, 24.7318, 16.8602 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, 109) }
```

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

```
.background{ background-color: rgb(255, 51,  
109) }
```

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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