

Converting Colors

XYZ(45.3688, 24.0333, 20.2133)

Have a look what the booklet for
XYZ(45.3688, 24.0333, 20.2133)
contains.

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Color

**XYZ(45.3843, 24.0267,
20.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2679
RGB	255, 38, 121
RGB Percent	100%, 15%, 47%
CMY	0.0000, 0.8509, 0.5255
CMYK	0.00, 0.85, 0.53, 0.00
HSL	337°, 100%, 57%
HSV	337°, 85%, 100%
XYZ	45.3843, 24.0267, 20.3348
YIQ	112.3450, 102.6890, 71.8170

Conversions

Conversions Part 2

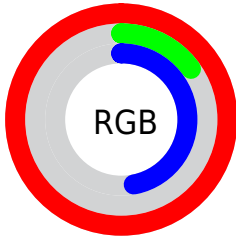
Format	Color
R_{YB}	255, 38, 121
Decimal	16721529
CIE _{Lab}	56.11, 79.97, 10.02
CIE _{LCh}	56, 80.590, 7.139
Yxy	24.0267, 0.5057, 0.2677
Android (android.graphics.Color)	4294911609 (0xFFFF2679)
YUV	112.3450, 4.2669, 125.1084
Hunter-Lab	49.0170, 79.4912, 9.7154

Details

The XYZ color **45.3843, 24.0267, 20.3348** 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 **44.0086, 74.9116, 51.1809**, and the grayscale version is **15.4725, 16.2782, 17.7270**.

A 20% lighter version of the original color is **54.4673, 35.6460, 43.5448**, and **22.6885, 11.5574, 7.3383** is the 20% darker color. If you saturate the color by 10%, you get **43.9405, 22.5608, 15.4715**, and if you desaturate by 10%, it is **47.5438, 26.6721, 26.2149**.

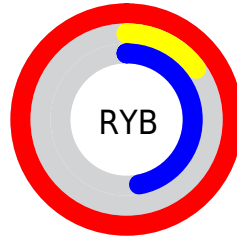
Distribution



Red (100%)

Green (15%)

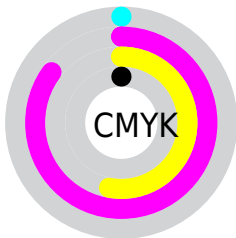
Blue (47%)



Red (100%)

Yellow (15%)

Blue (47%)

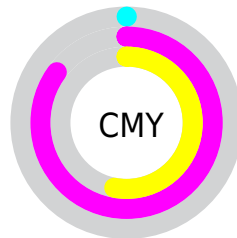


Cyan (0%)

Magenta (85%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3843, 24.0267, 20.3348 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 45.3843, 24.0267, 20.3348 by changing the saturation by 10% instead.


 45.3843, 24.0267,
20.3348


 45.3843, 24.0267,
20.3348


359.0853,
272.9554, 266.3858


 31.9628, 15.3534,
12.4522


 82.5303, 50.0738,
44.8441


 21.4885, 9.0678,
6.9261


 106.9855, 68.2164,
62.3079


 13.5960, 4.7854,
3.3382


 135.8494, 90.2842,
83.8024

 7.9201, 2.1219,
1.2698

 169.4872,
116.6616, 109.7463

 4.0952, 0.6769,
0.0369

 208.2643,
147.7330, 140.5580

 1.7561, 0.0000,
0.0000

252.5462,

 0.4910, 0.0000,

183.8829, 176.6561

0.0000

302.6981,
225.4956, 218.4592

■ 0.0000, 0.0000,
0.0000

■ 45.3843, 24.0267,
20.3348

■ 45.3843, 24.0267,
20.3348

■ 43.9405, 22.5608,
15.4715

■ 47.5438, 26.6721,
26.2149

■ 43.4217, 22.1327,
13.4198

■ 50.5224, 30.6919,
33.1808

■ 54.4071, 36.2492,
41.2948

■ 59.2723, 43.4833,
50.6127

■ 65.1846, 52.5173,
61.1864

72.2044, 63.4631,
73.0641

80.3873, 76.4231,
86.2915

89.7851, 91.4924,
100.9116

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.



43.4253, 24.0267, 51.3186



45.3843, 24.0267, 20.3348



40.1246, 24.0267, 5.8993

Triad

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



45.3843, 24.0267, 20.3348



13.7037, 24.0267, 2.9532



16.6077, 24.0267, 106.6047

Complementary

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



45.3843, 24.0267, 20.3348



44.0086, 74.9116, 51.1809

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.



11.4018, 24.0267, 70.4603



45.3843, 24.0267, 20.3348



10.0683, 24.0267, 10.9567

Square

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



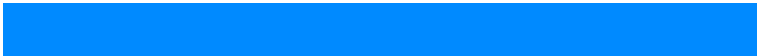
45.3843, 24.0267, 20.3348



20.6996, 24.0267, 1.1889



9.3572, 24.0267, 33.0056



25.1159, 24.0267, 116.0598

Rectangle

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



45.3843, 24.0267, 20.3348



33.8941, 24.0267, 2.4732



9.3572, 24.0267, 33.0056



14.4909, 24.0267, 96.3782

Sweetspot

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



45.3849, 24.0281, 20.3352



71.5177, 62.3841, 71.9270



35.7187, 17.3586, 96.0753



14.7674, 12.5069, 14.4915



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.



45.3849, 24.0281, 20.3352



43.4219, 22.1328, 13.4199



43.3863, 24.9925, 4.3730



18.2968, 18.1020, 20.1802



22.7560, 11.5917, 7.3655



2.2670, 1.1492, 0.9873

Inverse Universe

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



45.3849, 24.0281, 20.3352



43.4219, 22.1328, 13.4199



47.0595, 64.0513, 104.4902



18.2968, 18.1020, 20.1802



22.7560, 11.5917, 7.3655



2.2670, 1.1492, 0.9873

Previews

White Background



This preview shows how the XYZ color 45.3843, 24.0267, 20.3348 looks on a white background.

Color Contrast Check

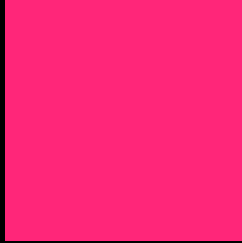
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3843, 24.0267, 20.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

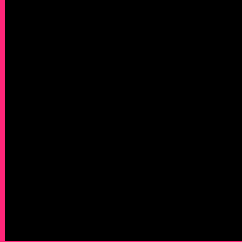
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.3843, 24.0267, 20.3348

Background



This preview shows how black text looks on a background with the XYZ color 45.3843, 24.0267, 20.3348.



This preview shows how white text looks on a background with the XYZ color 45.3843, 24.0267,

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

45.3843, 24.0267, 20.3348

Protanopia

24.3850, 24.3881, 41.4524

Deuteranopia

24.5622, 24.1809, 18.4117



Tritanopia

42.4474, 24.0373, 6.5401

Trichromacy



Original Color

45.3843, 24.0267, 20.3348



Protanomaly

27.3629, 20.0749, 32.1384



Deuteranomaly

29.1074, 20.9937, 18.7377



Tritanomaly

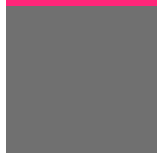
43.2148, 23.8595, 10.3103

Monochromacy



Original Color

45.3843, 24.0267, 20.3348



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

21.6529, 15.6273, 18.0948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3843, 24.0267, 20.3348 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, 38, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 121)  
}
```

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, 38, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 121) }
```

Border

The CSS property to change the border of an element to XYZ 45.3843, 24.0267, 20.3348 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, 38, 121) }
```


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

```
.border{ border-color:rgb(255, 38, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3843, 24.0267, 20.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 121) }
```

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

```
.background{ background-color: rgb(255, 38,  
121) }
```

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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