

Converting Colors

XYZ(45.4993, 24.0487, 21.0145)

Have a look what the booklet for
XYZ(45.4993, 24.0487, 21.0145)
contains.

XYZ(45.5083, 24.0763, 20.9875)	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(45.5083, 24.0763,
20.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	FF267B
RGB	255, 38, 123
RGB Percent	100%, 15%, 48%
CMY	0.0000, 0.8509, 0.5176
CMYK	0.00, 0.85, 0.52, 0.00
HSL	337°, 100%, 57%
HSV	337°, 85%, 100%
XYZ	45.5083, 24.0763, 20.9875
YIQ	112.5730, 102.0470, 72.4390

Conversions

Conversions Part 2

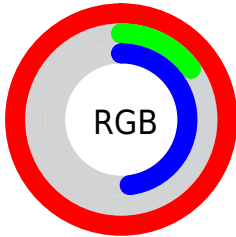
Format	Color
R_{YB}	255, 38, 123
Decimal	16721531
CIE _{Lab}	56.16, 80.11, 8.89
CIE _{LCh}	56, 80.599, 6.333
Yxy	24.0763, 0.5025, 0.2658
Android (android.graphics.Color)	4294911611 (0xFFFF267B)
YUV	112.5730, 5.1405, 124.9085
Hunter-Lab	49.0676, 79.6835, 8.9874

Details

The XYZ color **45.5083, 24.0763, 20.9875** 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 **43.8179, 74.8355, 50.1767**, and the grayscale version is **15.5372, 16.3464, 17.8012**.

A 20% lighter version of the original color is **54.6623, 35.7240, 44.5718**, and **22.7559, 11.5844, 7.6932** is the 20% darker color. If you saturate the color by 10%, you get **44.0574, 22.6076, 16.0863**, and if you desaturate by 10%, it is **47.6712, 26.7231, 26.8856**.

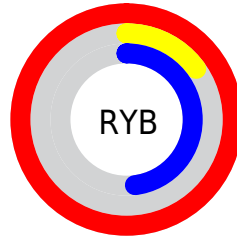
Distribution



Red (100%)

Green (15%)

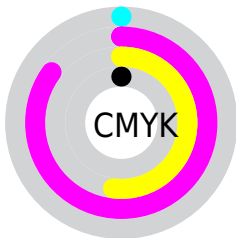
Blue (48%)



Red (100%)

Yellow (15%)

Blue (48%)

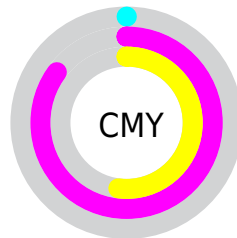


Cyan (0%)

Magenta (85%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5083, 24.0763, 20.9875 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 45.5083, 24.0763, 20.9875 by changing the saturation by 10% instead.


 45.5083, 24.0763,
20.9875


 45.5083, 24.0763,
20.9875


359.5775,
273.2060, 269.9909


 32.0610, 15.3902,
12.9237

 82.7150, 50.1547,
45.9473


 21.5638, 9.0937,
7.2459


 107.2051, 68.3158,
63.6803


 13.6516, 4.8024,
3.5356


 136.1069, 90.4040,
85.4735

 7.9588, 2.1318,
1.3742

 169.7856,
116.8038, 111.7454

 4.1202, 0.6824,
0.1215

 208.6066,
147.8995, 142.9146

 1.7704, 0.0000,
0.0000

252.9354,

 0.4997, 0.0000,

184.0755, 179.3995

0.0000

303.1372,
225.7162, 221.6188

■ 0.0000, 0.0000,
0.0000

■ 45.5083, 24.0763,
20.9875

■ 45.5083, 24.0763,
20.9875

■ 44.0574, 22.6076,
16.0863

■ 47.6712, 26.7231,
26.8856

■ 43.5338, 22.1775,
14.0095

■ 50.6491, 30.7425,
33.8478

■ 54.5286, 36.2978,
41.9345

■ 59.3839, 43.5279,
51.2000

■ 65.2812, 52.5559,
61.6946

72.2806, 63.4936,
73.4652

80.4376, 76.4431,
86.5560

89.8036, 91.4998,
101.0089

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.



43.3490, 24.0763, 52.4449



45.5083, 24.0763, 20.9875



40.4138, 24.0763, 6.1335

Triad

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



45.5083, 24.0763, 20.9875



13.8796, 24.0763, 2.8656



16.4599, 24.0763, 106.0356

Complementary

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



45.5083, 24.0763, 20.9875



43.8179, 74.8355, 50.1767

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.



11.3365, 24.0763, 69.4659



45.5083, 24.0763, 20.9875



10.1519, 24.0763, 10.6212

Square

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



45.5083, 24.0763, 20.9875



20.9772, 24.0763, 1.1843



9.3660, 24.0763, 32.2456



24.9026, 24.0763, 116.4476

Rectangle

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



45.5083, 24.0763, 20.9875



34.2298, 24.0763, 2.5660



9.3660, 24.0763, 32.2456



14.3710, 24.0763, 95.5841

Sweetspot

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



45.5089, 24.0777, 20.9879



71.5960, 62.4154, 72.3390



34.9368, 16.9555, 96.0389



14.7858, 12.5143, 14.5881



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.



45.5089, 24.0777, 20.9879



43.5339, 22.1776, 14.0095



43.1914, 24.6026, 4.3080



18.3039, 18.1049, 20.2176



22.8154, 11.6155, 7.6784



2.2732, 1.1517, 1.0203

Inverse Universe

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



45.5089, 24.0777, 20.9879



43.5339, 22.1776, 14.0095



48.0746, 66.0815, 104.8287



18.3039, 18.1049, 20.2176



22.8154, 11.6155, 7.6784



2.2732, 1.1517, 1.0203

Previews

White Background



This preview shows how the XYZ color 45.5083, 24.0763, 20.9875 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 45.5083, 24.0763, 20.9875 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 45.5083, 24.0763, 20.9875

Background



This preview shows how black text looks on a background with the XYZ color 45.5083, 24.0763, 20.9875.



This preview shows how white text looks on a background with the XYZ color 45.5083, 24.0763,

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

45.5083, 24.0763, 20.9875

Protanopia

24.4289, 24.3887, 42.4497

Deuteranopia

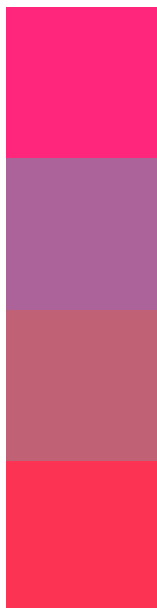
24.6736, 24.2254, 18.9983



Tritanopia

42.5245, 24.1496, 6.6950

Trichromacy



Original Color

45.5083, 24.0763, 20.9875

Protanomaly

27.3078, 20.0274, 32.9982

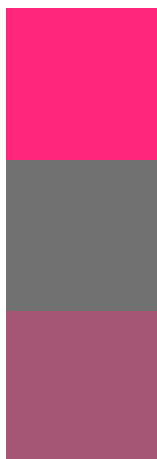
Deuteranomaly

29.2238, 21.0402, 19.3505

Tritanomaly

43.2532, 23.8748, 10.5122

Monochromacy



Original Color

45.5083, 24.0763, 20.9875

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

22.0557, 15.9393, 18.7437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5083, 24.0763, 20.9875 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 123) }
```

Border

The CSS property to change the border of an element to XYZ 45.5083, 24.0763, 20.9875 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, 123) }
```


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

```
.border{ border-color:rgb(255, 38, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5083, 24.0763, 20.9875 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, 123) }
```

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

```
.background{ background-color: rgb(255, 38,  
123) }
```

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](#)