

Converting Colors

XYZ(45.2949, 23.7588, 20.5795)

Have a look what the booklet for
XYZ(45.2949, 23.7588, 20.5795)
contains.

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Color

**XYZ(45.2967, 23.7529,
20.6097)**

Conversions

Conversions Part 1

Format	Color
Hex	FF217A
RGB	255, 33, 122
RGB Percent	100%, 13%, 48%
CMY	0.0000, 0.8705, 0.5216
CMYK	0.00, 0.87, 0.52, 0.00
HSL	336°, 100%, 56%
HSV	336°, 87%, 100%
XYZ	45.2967, 23.7529, 20.6097
YIQ	109.5240, 103.7430, 74.7430

Conversions

Conversions Part 2

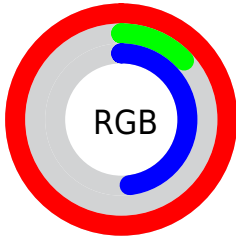
Format	Color
R_{YB}	255, 33, 122
Decimal	16720250
CIE _{Lab}	55.84, 80.90, 9.03
CIE _{LCh}	56, 81.401, 6.368
Yxy	23.7529, 0.5052, 0.2649
Android (android.graphics.Color)	4294910330 (0xFFFF217A)
YUV	109.5240, 6.1507, 127.5825
Hunter-Lab	48.7369, 80.6104, 9.0435

Details

The XYZ color **45.2967, 23.7529, 20.6097** 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 **43.2733, 74.5976, 48.2075**, and the grayscale version is **14.6511, 15.4141, 16.7860**.

A 20% lighter version of the original color is **54.2425, 35.0411, 43.9491**, and **22.7219, 11.5708, 7.5144** is the 20% darker color. If you saturate the color by 10%, you get **43.9607, 22.4790, 15.8551**, and if you desaturate by 10%, it is **47.3150, 26.1537, 26.3264**.

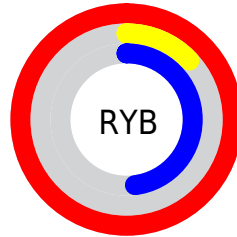
Distribution



Red (100%)

Green (13%)

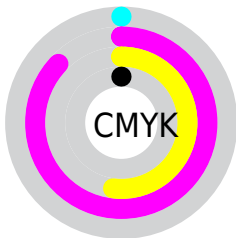
Blue (48%)



Red (100%)

Yellow (13%)

Blue (48%)

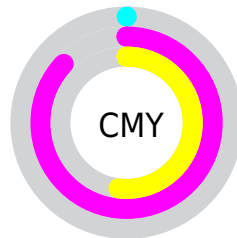


Cyan (0%)

Magenta (87%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2967, 23.7529, 20.6097 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 45.2967, 23.7529, 20.6097 by changing the saturation by 10% instead.


 45.2967, 23.7529,
20.6097


 45.2967, 23.7529,
20.6097

358.7374,
271.5688, 267.9095

 31.8935, 15.1504,
12.6505


 82.3998, 49.6267,
45.3094


 21.4353, 8.9250,
7.0605


 106.8304, 67.6667,
62.8870


 13.5568, 4.6923,
3.4209


 135.6674, 89.6215,
84.5078

 7.8927, 2.0679,
1.3134

 169.2763,
115.8753, 110.5905

 4.0776, 0.6465,
0.0727

 208.0224,
146.8125, 141.5534

 1.7461, 0.0000,
0.0000

252.2710,

 0.4849, 0.0000,

182.8176, 177.8152

0.0000

302.3876,
224.2749, 219.7944

■ 0.0000, 0.0000,
0.0000

■ 45.2967, 23.7529,
20.6097

■ 45.2967, 23.7529,
20.6097

■ 43.9607, 22.4790,
15.8551

■ 47.3150, 26.1537,
26.3264

■ 43.6486, 22.2234,
14.6143

■ 50.1256, 29.8902,
33.0734

■ 53.8176, 35.1312,
40.9107

■ 58.4669, 42.0193,
49.8919

■ 64.1409, 50.6803,
60.0667

70.9005, 61.2277,
71.4812

78.8016, 73.7655,
84.1787

87.8962, 88.3899,
98.2004

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.



43.1316, 23.7529, 52.1614



45.2967, 23.7529, 20.6097



40.1621, 23.7529, 5.8792

Triad

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



45.2967, 23.7529, 20.6097



13.5791, 23.7529, 2.6990



16.1649, 23.7529, 106.3488

Complementary

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



45.2967, 23.7529, 20.6097



43.2733, 74.5976, 48.2075

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.



11.0603, 23.7529, 69.4123



45.2967, 23.7529, 20.6097



9.8779, 23.7529, 10.3344

Square

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



45.2967, 23.7529, 20.6097



20.6587, 23.7529, 1.0793



9.1019, 23.7529, 31.9405



24.6092, 23.7529, 116.8447

Rectangle

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



45.2967, 23.7529, 20.6097



33.9432, 23.7529, 2.4012



9.1019, 23.7529, 31.9405



14.0812, 23.7529, 95.7872

Sweetspot

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



45.2973, 23.7543, 20.6101



71.6742, 62.4467, 72.7511



33.5989, 16.0443, 95.9333



14.8042, 12.5216, 14.6849



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.



45.2973, 23.7543, 20.6101



43.6488, 22.2235, 14.6144



42.7216, 23.7837, 3.7799



18.3110, 18.1077, 20.2550



22.8763, 11.6398, 7.9991



2.2796, 1.1542, 1.0539

Inverse Universe

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



45.2973, 23.7543, 20.6101



43.6488, 22.2235, 14.6144



48.8182, 67.8241, 105.1257



18.3110, 18.1077, 20.2550



22.8763, 11.6398, 7.9991



2.2796, 1.1542, 1.0539

Previews

White Background



This preview shows how the XYZ color 45.2967, 23.7529, 20.6097 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 45.2967, 23.7529, 20.6097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

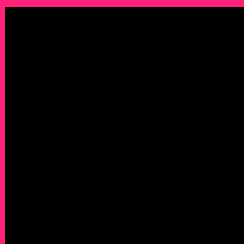
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.2967, 23.7529, 20.6097

Background



This preview shows how black text looks on a background with the XYZ color 45.2967, 23.7529, 20.6097.



This preview shows how white text looks on a background with the XYZ color 45.2967, 23.7529,

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

45.2967, 23.7529, 20.6097

Protanopia

24.1461, 24.0387, 42.3970

Deuteranopia

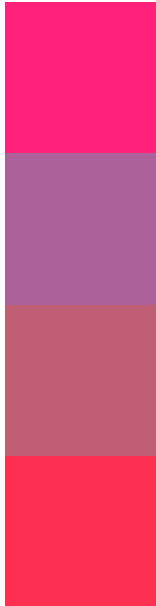
24.2925, 23.8389, 18.6503



Tritanopia

42.2976, 23.8192, 6.2391

Trichromacy



Original Color

45.2967, 23.7529, 20.6097

Protanomaly

27.1207, 19.6531, 32.9359

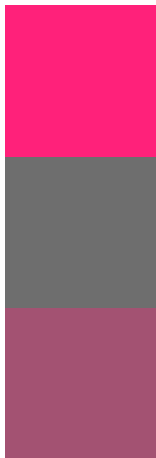
Deuteranomaly

28.6409, 20.3427, 18.9400

Tritanomaly

43.0502, 23.5906, 10.0690

Monochromacy



Original Color

45.2967, 23.7529, 20.6097

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

21.1588, 15.0360, 17.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2967, 23.7529, 20.6097 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, 33, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 122)  
}
```

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, 33, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.2967, 23.7529, 20.6097 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, 33, 122) }
```


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

```
.border{ border-color:rgb(255, 33, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2967, 23.7529, 20.6097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 122) }
```

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

```
.background{ background-color: rgb(255, 33,  
122) }
```

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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