

Converting Colors

XYZ(45.3309, 24.8464, 20.8865)

Have a look what the booklet for
XYZ(45.3309, 24.8464, 20.8865)
contains.

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Color

**XYZ(45.2940, 24.8340,
20.8185)**

Conversions

Conversions Part 1

Format	Color
Hex	FD357A
RGB	253, 53, 122
RGB Percent	99%, 21%, 48%
CMY	0.0078, 0.7921, 0.5216
CMYK	0.00, 0.79, 0.52, 0.01
HSL	339°, 98%, 60%
HSV	339°, 79%, 99%
XYZ	45.2940, 24.8340, 20.8185
YIQ	120.6660, 97.0510, 63.8590

Conversions

Conversions Part 2

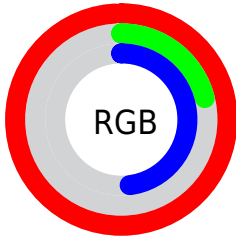
Format	Color
R_{YB}	253, 53, 122
Decimal	16594298
CIE _{Lab}	56.91, 76.26, 10.49
CIE _{LCh}	57, 76.982, 7.834
Yxy	24.8340, 0.4980, 0.2731
Android (android.graphics.Color)	4294784378 (0xFFFD357A)
YUV	120.6660, 0.6577, 116.0569
Hunter-Lab	49.8337, 75.0301, 10.1147

Details

The XYZ color **45.2940, 24.8340, 20.8185** 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 **45.2476, 74.4691, 57.3453**, and the grayscale version is **18.0447, 18.9844, 20.6740**.

A 20% lighter version of the original color is **55.4768, 37.5096, 44.3605**, and **22.4712, 11.4416, 7.5026** is the 20% darker color. If you saturate the color by 10%, you get **43.4883, 22.7285, 15.5750**, and if you desaturate by 10%, it is **47.8839, 28.2281, 27.1877**.

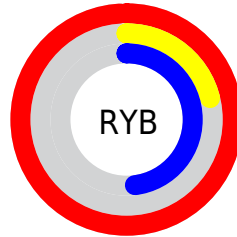
Distribution



Red (99%)

Green (21%)

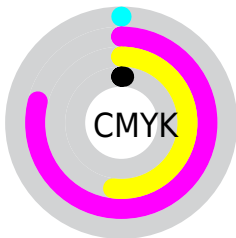
Blue (48%)



Red (99%)

Yellow (21%)

Blue (48%)

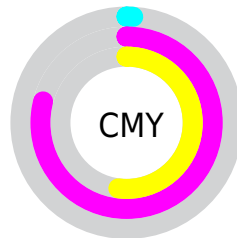


Cyan (0%)

Magenta (79%)

Yellow (52%)

Black (1%)



Cyan (1%)


Magenta (79%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2940, 24.8340, 20.8185 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 45.2940, 24.8340, 20.8185 by changing the saturation by 10% instead.

 45.2940, 24.8340,
20.8185


 45.2940, 24.8340,
20.8185


358.7267,
277.0102, 269.0616


 31.8913, 15.9534,
12.8014


 82.3958, 51.3878,
45.6621


 21.4337, 9.4912,
7.1628


 106.8256, 69.8298,
63.3258


 13.5556, 5.0629,
3.4842


 135.6618, 92.2277,
85.0421

 7.8919, 2.2842,
1.3469

 169.2698,
118.9660, 111.2295

 4.0771, 0.7653,
0.0997

 208.0149,
150.4290, 142.3066

 1.7458, 0.0000,
0.0000

252.2625,

 0.4847, 0.0000,

187.0011, 178.6920

0.0000

302.3780,
229.0667, 220.8042

■ 0.0000, 0.0000,
0.0000

■ 45.2940, 24.8340,
20.8185

■ 45.2940, 24.8340,
20.8185

■ 43.4883, 22.7285,
15.5750

■ 47.8839, 28.2281,
27.1877

■ 42.3312, 21.6539,
11.3678

■ 51.3484, 33.0776,
34.7529

■ 42.2393, 21.5752,
11.0133

■ 55.7666, 39.5288,
43.5788

■ 61.2078, 47.7087,
53.7246

■ 67.7348, 57.7314,
65.2450

■ 75.4048, 69.7012,
78.1917

■ 84.2712, 83.7146,
92.6135

94.2508, 99.5957,
108.5122

94.3179, 99.6226,
108.8657

Harmonies

Analogous

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



43.5864, 24.8340, 50.4453



45.2940, 24.8340, 20.8185



40.1239, 24.8340, 6.5823

Triad

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



45.2940, 24.8340, 20.8185



14.4833, 24.8340, 3.7228



17.6460, 24.8340, 104.0642

Complementary

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



45.2940, 24.8340, 20.8185



45.2476, 74.4691, 57.3453

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.



12.3843, 24.8340, 70.3869



45.2940, 24.8340, 20.8185



10.9091, 24.8340, 12.2948

Square

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



45.2940, 24.8340, 20.8185



21.3178, 24.8340, 1.6457



10.2532, 24.8340, 34.3918



26.0480, 24.8340, 112.1419

Rectangle

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



45.2940, 24.8340, 20.8185



34.0945, 24.8340, 3.0210



10.2532, 24.8340, 34.3918



15.5218, 24.8340, 94.6543

Sweetspot

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



45.2946, 24.8354, 20.8189



72.7416, 64.6563, 72.8759



38.5332, 19.7075, 94.7013



14.9899, 12.9366, 14.6126



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.



45.2946, 24.8354, 20.8189



43.5065, 22.3918, 13.1712



44.2452, 27.3284, 6.3131



18.2680, 18.0905, 20.0284



22.5313, 11.5018, 6.1824



2.2429, 1.1395, 0.8603

Inverse Universe

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



45.2946, 24.8354, 20.8189



43.5065, 22.3918, 13.1712



45.5869, 60.6257, 102.2275



18.2680, 18.0905, 20.0284



22.5313, 11.5018, 6.1824



2.2429, 1.1395, 0.8603

Previews

White Background



This preview shows how the XYZ color 45.2940, 24.8340, 20.8185 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 45.2940, 24.8340, 20.8185 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 45.2940, 24.8340, 20.8185

Background



This preview shows how black text looks on a background with the XYZ color 45.2940, 24.8340, 20.8185.



This preview shows how white text looks on a background with the XYZ color 45.2940, 24.8340,

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

45.2940, 24.8340, 20.8185

Protanopia

24.8930, 25.1073, 39.6106

Deuteranopia

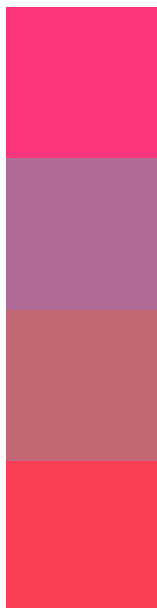
25.4740, 25.0433, 18.8205



Tritanopia

42.5057, 24.7680, 8.1706

Trichromacy



Original Color

45.2940, 24.8340, 20.8185

Protanomaly

28.3383, 21.6240, 31.5344

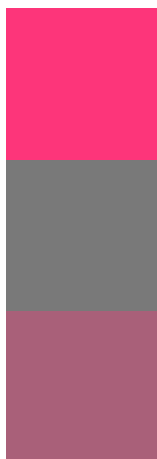
Deuteranomaly

29.9950, 22.2989, 19.2462

Tritanomaly

43.2677, 24.6591, 11.7117

Monochromacy



Original Color

45.2940, 24.8340, 20.8185

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

23.9962, 18.1812, 20.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2940, 24.8340, 20.8185 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(253, 53, 122)` looks like.

```
.text, #text, p{  
    color:rgb(253, 53, 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(253, 53, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 53, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.2940, 24.8340, 20.8185 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(253, 53, 122) }
```


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

```
.border{ border-color:rgb(253, 53, 122) }
```

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

Here you see how a box with a 4 pixel rgb(253, 53, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 53, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 53, 122);  
box-shadow:4px 4px 4px 4px rgb(253, 53,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2940, 24.8340, 20.8185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 53, 122) }
```

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

```
.background{ background-color: rgb(253, 53,  
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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