

# Converting Colors

XYZ(41.9042, 24.6797, 20.4686)

Have a look what the booklet for  
XYZ(41.9042, 24.6797, 20.4686)  
contains.

<b>XYZ(41.9832, 24.6916, 20.3225)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.9832, 24.6916,  
20.3225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F14878
RGB	241, 72, 120
RGB Percent	95%, 28%, 47%
CMY	0.0549, 0.7176, 0.5294
CMYK	0.00, 0.70, 0.50, 0.05
HSL	343°, 86%, 61%
HSV	343°, 70%, 95%
XYZ	41.9832, 24.6916, 20.3225
YIQ	128.0030, 85.3160, 50.7560

# Conversions

## Conversions Part 2

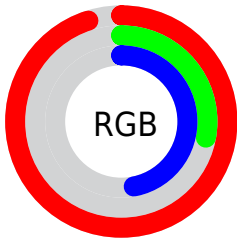
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 72, 120
Decimal	15812728
CIE <sub>Lab</sub>	56.77, 67.11, 11.17
CIE <sub>LCh</sub>	57, 68.032, 9.454
Yxy	24.6916, 0.4826, 0.2838
Android (android.graphics.Color)	4294002808 (0xFFFF14878)
YUV	128.0030, -3.9455, 99.0984
Hunter-Lab	49.6906, 63.8545, 10.5350

# Details

The XYZ color **41.9832, 24.6916, 20.3225** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **43.7554, 68.1393, 61.3043**, and the grayscale version is **20.5129, 21.5812, 23.5019**.

A 20% lighter version of the original color is **56.8027, 40.4712, 43.8476**, and **19.7601, 10.0516, 7.0296** is the 20% darker color. If you saturate the color by 10%, you get **39.7642, 21.7815, 14.8733**, and if you desaturate by 10%, it is **45.0024, 28.9003, 26.9700**.

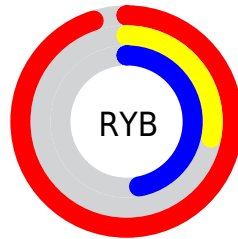
# Distribution



Red (95%)

Green (28%)

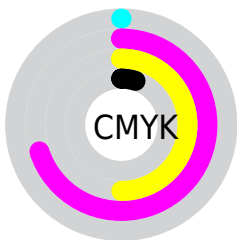
Blue (47%)



Red (95%)

Yellow (28%)

Blue (47%)

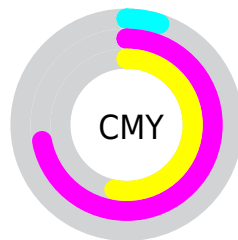


Cyan (0%)

Magenta (70%)

Yellow (50%)

Black (5%)



Cyan (5%)

Magenta (72%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9832, 24.6916, 20.3225 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 41.9832, 24.6916, 20.3225 by changing the saturation by 10% instead.





 41.9832, 24.6916,  
20.3225


 41.9832, 24.6916,  
20.3225

345.4061,  
276.2986, 266.3174


 29.2792, 15.8474,  
12.4433


 77.4395, 51.1565,  
44.8233


 19.4375, 9.4163,  
6.9201


 100.9225, 69.5460,  
62.2819


 12.0927, 5.0137,  
3.3345


 128.7293, 91.8860,  
83.7708

 6.8795, 2.2553,  
1.2679

 161.2251,  
118.5610, 109.7084

 3.4325, 0.7499,  
0.0352

 198.7753,  
149.9554, 140.5134

 1.3864, 0.0000,  
0.0000

241.7453,

 0.2465, 0.0000,

186.4535, 176.6042

0.0000

290.5005,  
228.4398, 218.3993

■ 0.0000, 0.0000,  
0.0000

■ 41.9832, 24.6916,  
20.3225

■ 41.9832, 24.6916,  
20.3225

■ 39.7642, 21.7815,  
14.8733

■ 45.0024, 28.9003,  
26.9700

■ 38.2575, 20.0099,  
10.5423


■ 48.8930, 34.5347,  
34.8851


■ 37.3324, 19.1235,  
7.2629


■ 53.7202, 41.7113,  
44.1331

■ 59.5422, 50.5333,  
54.7739

■ 66.4124, 61.0948,  
66.8638

 74.3801, 73.4829,  
80.4556

 83.4917, 87.7789,  
95.5997

 90.0855, 97.4407,  
108.6677

# Harmonies

## Analogous

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



40.8675, 24.6916, 45.3387



41.9832, 24.6916, 20.3225



37.3436, 24.6916, 7.5706

# Triad

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



41.9832, 24.6916, 20.3225



15.0412, 24.6916, 5.2821



18.5071, 24.6916, 92.1443

# Complementary

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



41.9832, 24.6916, 20.3225



43.7554, 68.1393, 61.3043

# 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.



13.5425, 24.6916, 65.3491



41.9832, 24.6916, 20.3225



11.8774, 24.6916, 14.2723

# Square

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



41.9832, 24.6916, 20.3225



21.0487, 24.6916, 2.7059



11.3988, 24.6916, 34.7269



26.0672, 24.6916, 97.2075



# Rectangle

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



41.9832, 24.6916, 20.3225



32.1160, 24.6916, 4.0718



11.3988, 24.6916, 34.7269



16.5321, 24.6916, 84.8718

# Sweetspot

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



41.9838, 24.6930, 20.3229



74.7115, 68.2353, 74.6451



39.5063, 21.9733, 85.3779



15.5090, 13.8613, 15.1358



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.



41.9838, 24.6930, 20.3229



44.4059, 23.7840, 14.7243



42.5800, 29.4375, 9.5706



15.9573, 15.8326, 17.3315



20.2944, 10.3902, 4.2011



1.7295, 0.8808, 0.5664



# Inverse Universe

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



41.9838, 24.6930, 20.3229



44.4059, 23.7840, 14.7243



40.9123, 52.4526, 91.1870



15.9573, 15.8326, 17.3315



20.2944, 10.3902, 4.2011



1.7295, 0.8808, 0.5664



# Previews

## White Background



This preview shows how the XYZ color 41.9832, 24.6916, 20.3225 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 41.9832, 24.6916, 20.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

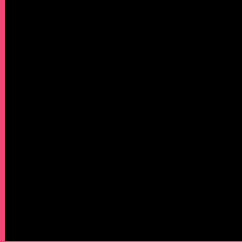
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.9832, 24.6916, 20.3225**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9832, 24.6916, 20.3225.



This preview shows how white text looks on a background with the XYZ color 41.9832, 24.6916,



# 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

41.9832, 24.6916, 20.3225

### Protanopia

24.4684, 25.0097, 34.1096

### Deuteranopia

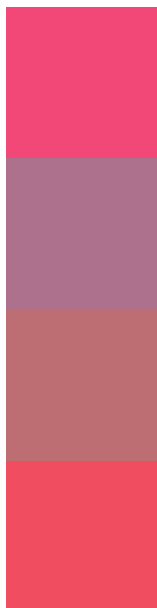
25.1415, 24.6716, 18.7662



## Tritanopia

40.0655, 24.7281, 11.0488

# Trichromacy



## Original Color

41.9832, 24.6916, 20.3225

## Protanomaly

28.0212, 22.6475, 28.4857

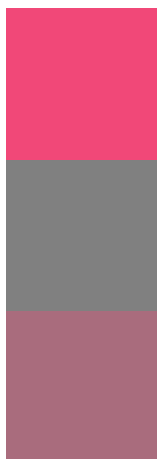
## Deuteranomaly

29.4095, 23.0810, 19.1247

## Tritanomaly

40.7467, 24.6961, 13.9285

# Monochromacy



## Original Color

41.9832, 24.6916, 20.3225

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

25.4264, 20.6408, 22.0460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9832, 24.6916, 20.3225 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(241, 72, 120)` looks like.

```
.text, #text, p{  
    color:rgb(241, 72, 120)  
}
```

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(241, 72, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 72, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9832, 24.6916, 20.3225 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(241, 72, 120) }
```



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

```
.border{ border-color:rgb(241, 72, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 72, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 72, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 72, 120);  
box-shadow:4px 4px 4px 4px rgb(241, 72,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9832, 24.6916, 20.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 72, 120) }
```

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

```
.background{ background-color: rgb(241, 72,  
120) }
```

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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