

# Converting Colors

XYZ(38.1169, 24.6631, 28.1943)

Have a look what the booklet for  
XYZ(38.1169, 24.6631, 28.1943)  
contains.

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# Color

**XYZ(38.1388, 24.6508,  
28.3391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC5B8E
RGB	220, 91, 142
RGB Percent	86%, 36%, 56%
CMY	0.1373, 0.6431, 0.4431
CMYK	0.00, 0.59, 0.35, 0.14
HSL	336°, 65%, 61%
HSV	336°, 59%, 86%
XYZ	38.1388, 24.6508, 28.3391
YIQ	135.3850, 60.5130, 43.2090

# Conversions

## Conversions Part 2

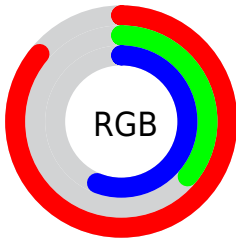
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 91, 142
Decimal	14441358
CIE Lab	56.73, 55.28, -2.29
CIE LCh	57, 55.331, 357.626
Yxy	24.6508, 0.4185, 0.2705
Android (android.graphics.Color)	4292631438 (0xFFDC5B8E)
YUV	135.3850, 3.2612, 74.2074
Hunter-Lab	49.6496, 50.2298, 0.9130

# Details

The XYZ color **38.1388, 24.6508, 28.3391** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **37.0704, 56.2759, 46.4480**, and the grayscale version is **23.1456, 24.3509, 26.5182**.

A 20% lighter version of the original color is **61.4827, 45.8033, 57.8250**, and **17.1462, 9.3828, 11.0326** is the 20% darker color. If you saturate the color by 10%, you get **35.5862, 21.0497, 22.8510**, and if you desaturate by 10%, it is **41.3631, 29.4043, 34.6397**.

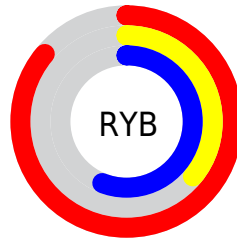
# Distribution



Red (86%)

Green (36%)

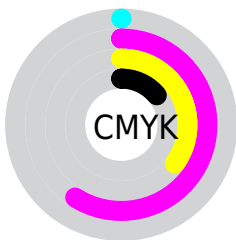
Blue (56%)



Red (86%)

Yellow (36%)

Blue (56%)

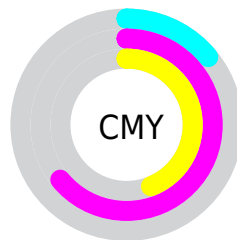


Cyan (0%)

Magenta (59%)

Yellow (35%)

Black (14%)



Cyan (14%)

Magenta (64%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1388, 24.6508, 28.3391 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 38.1388, 24.6508, 28.3391 by changing the saturation by 10% instead.





 38.1388, 24.6508,  
28.3391


 38.1388, 24.6508,  
28.3391


329.4856,  
276.0944, 308.0465

 26.2681, 15.8171,  
18.3402


 71.6234, 51.0902,  
58.0550


 17.1581, 9.3948,  
11.0225


 93.9680, 69.4646,  
78.6090

 10.4433, 4.9996,  
5.9676


 120.5346, 91.7880,  
103.5185

 5.7583, 2.2470,  
2.7569

 151.6886,  
118.4449, 133.2020

 2.7380, 0.7454,  
0.9719

187.7954,  
149.8196, 168.0779

 1.0168, 0.0000,  
0.0000

229.2202,

 0.0000, 0.0000,

186.2964, 208.5650

0.0000

276.3285,  
228.2599, 255.0817

■ 38.1388, 24.6508,  
28.3391

■ 38.1388, 24.6508,  
28.3391

■ 35.5862, 21.0497,  
22.8510

■ 41.3631, 29.4043,  
34.6397

■ 33.6493, 18.4962,  
18.1355

■ 45.3048, 35.3954,  
41.7869

■ 32.2659, 16.8724,  
14.1503

■ 50.0076, 42.7057,  
49.8143

■ 31.3422, 15.9987,  
10.8408

■ 55.5112, 51.4085,  
58.7529

■ 31.2343, 15.9033,  
10.4339

■ 61.8523, 61.5718,  
68.6322

■ 69.0654, 73.2591,  
79.4801

■ 77.1829, 86.5301,  
91.3234

■ 82.2845, 93.5394,  
102.8707

■ 83.3253, 93.9557,  
108.3513

# Harmonies

## Analogous

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



35.5465, 24.6508, 50.7120



38.1388, 24.6508, 28.3391



36.2292, 24.6508, 13.5068

# Triad

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



38.1388, 24.6508, 28.3391



18.1354, 24.6508, 6.0647



17.3954, 24.6508, 69.4174

# Complementary

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



38.1388, 24.6508, 28.3391



37.0704, 56.2759, 46.4480

# 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.



14.0678, 24.6508, 46.9156



38.1388, 24.6508, 28.3391



14.4367, 24.6508, 11.9576

# Square

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



38.1388, 24.6508, 28.3391



23.9474, 24.6508, 4.6923



13.0923, 24.6508, 25.3957



22.9198, 24.6508, 80.2870



# Rectangle

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



38.1388, 24.6508, 28.3391



32.8246, 24.6508, 8.2195



13.0923, 24.6508, 25.3957



16.0241, 24.6508, 62.5726

# Sweetspot

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



38.1395, 24.6521, 28.3395



77.9640, 72.4696, 82.7294



32.8944, 21.0198, 70.0338



16.1756, 14.6973, 16.8904



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.



38.1395, 24.6521, 28.3395



49.1305, 28.6067, 30.5624



36.3448, 25.8529, 12.9737



13.2682, 13.1364, 14.6734



18.3824, 9.3540, 6.3936



1.2326, 0.6227, 0.6337



# Inverse Universe

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



38.1395, 24.6521, 28.3395



49.1305, 28.6067, 30.5624



39.5707, 52.0664, 75.6745



13.2682, 13.1364, 14.6734



18.3824, 9.3540, 6.3936



1.2326, 0.6227, 0.6337



# Previews

## White Background



This preview shows how the XYZ color 38.1388, 24.6508, 28.3391 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 38.1388, 24.6508, 28.3391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

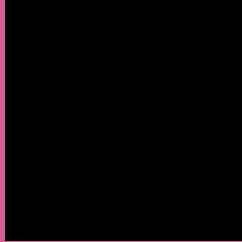
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.1388, 24.6508, 28.3391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1388, 24.6508, 28.3391.



This preview shows how white text looks on a background with the XYZ color 38.1388, 24.6508,



# 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

38.1388, 24.6508, 28.3391

### Protanopia

24.8218, 24.8194, 41.5126

### Deuteranopia

25.2729, 24.7641, 26.7405



## Tritanopia

35.6269, 24.6953, 16.2535

# Trichromacy



## Original Color

38.1388, 24.6508, 28.3391

## Protanomaly

27.6399, 23.3088, 36.3000

## Deuteranomaly

28.6279, 23.6715, 27.1050

## Tritanomaly

36.3663, 24.5792, 19.9671

# Monochromacy



## Original Color

38.1388, 24.6508, 28.3391

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

26.9102, 23.1356, 27.0921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1388, 24.6508, 28.3391 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(220, 91, 142)` looks like.

```
.text, #text, p{  
    color:rgb(220, 91, 142)  
}
```

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(220, 91, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 91, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1388, 24.6508, 28.3391 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(220, 91, 142) }
```



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

```
.border{ border-color:rgb(220, 91, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 91, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 91, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 91, 142); box-shadow:4px 4px 4px 4px rgb(220, 91, 142) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.1388, 24.6508, 28.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 91, 142) }
```

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

```
.background{ background-color: rgb(220, 91,  
142) }
```

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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