

# Converting Colors

XYZ(38.0683, 20.6486, 43.1787)

Have a look what the booklet for  
XYZ(38.0683, 20.6486, 43.1787)  
contains.

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# Color

**XYZ(38.0691, 20.6783,  
43.0592)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA36B0
RGB	218, 54, 176
RGB Percent	85%, 21%, 69%
CMY	0.1451, 0.7882, 0.3098
CMYK	0.00, 0.75, 0.19, 0.15
HSL	315°, 69%, 53%
HSV	315°, 75%, 85%
XYZ	38.0691, 20.6783, 43.0592
YIQ	116.9440, 58.5820, 72.7100

# Conversions

## Conversions Part 2

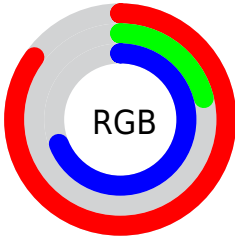
Format	Color
R <sub>Y</sub> B	218, 54, 176
Decimal	14300848
CIE Lab	52.60, 72.89, -28.53
CIE LCh	53, 78.280, 338.623
Yxy	20.6783, 0.3739, 0.2031
Android (android.graphics.Color)	4292490928 (0xFFDA36B0)
YUV	116.9440, 29.1146, 88.6261
Hunter-Lab	45.4734, 69.8569, -24.3109

# Details

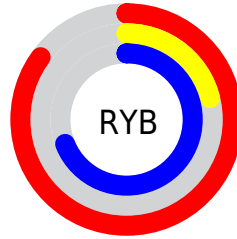
The XYZ color **38.0691, 20.6783, 43.0592** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **28.7052, 51.7724, 19.5488**, and the grayscale version is **16.7926, 17.6672, 19.2395**.

A 20% lighter version of the original color is **62.1668, 39.8088, 80.7512**, and **17.8732, 8.8010, 19.4956** is the 20% darker color. If you saturate the color by 10%, you get **36.7311, 18.8680, 39.9434**, and if you desaturate by 10%, it is **39.8855, 23.4084, 46.4469**.

# Distribution



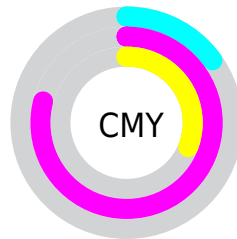
- Red (85%)
- Green (21%)
- Blue (69%)



- Red (85%)
- Yellow (21%)
- Blue (69%)



- Cyan (0%)
- Magenta (75%)
- Yellow (19%)
- Black (15%)




- Cyan (15%)
- Magenta (79%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0691, 20.6783, 43.0592 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 38.0691, 20.6783, 43.0592 by changing the saturation by 10% instead.





 38.0691, 20.6783,  
43.0592


 38.0691, 20.6783,  
43.0592


329.1920,  
255.5639, 374.7835

 26.2138, 12.8891,  
29.5998


 71.5173, 44.5515,  
81.0875


 17.1172, 7.3522,  
19.2856


 93.8408, 61.4043,  
106.4935


 10.4139, 3.6833,  
11.6979


 120.3845, 82.0470,  
136.7188

 5.7386, 1.4980,  
6.4183

 151.5136,  
106.8641, 172.1819

 2.7259, 0.2873,  
3.0282

 187.5936,  
136.2399, 213.3014

 1.0105, 0.0000,  
1.1090

228.9897,

 0.0000, 0.0000,

170.5589, 260.4958

0.0000

276.0674,  
210.2054, 314.1837

■ 38.0691, 20.6783,  
43.0592

■ 38.0691, 20.6783,  
43.0592

■ 36.7311, 18.8680,  
39.9434

■ 39.8855, 23.4084,  
46.4469

■ 35.8031, 17.8421,  
37.0750

■ 42.2324, 27.1630,  
50.1246

■ 35.4502, 17.5202,  
35.7741

■ 45.1571, 32.0360,  
54.1097

■ 48.7011, 38.1098,  
58.4171

■ 52.9017, 45.4590,  
63.0607

■ 57.7935, 54.1522,  
68.0531

■ 63.4085, 64.2530,  
73.4062

■ 69.7767, 75.8209,  
79.1313

■ 76.9264, 88.9121,  
85.2387

# Harmonies

## Analogous

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



31.0971, 20.6783, 78.6196



38.0691, 20.6783, 43.0592



39.4809, 20.6783, 16.4554

# Triad

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



38.0691, 20.6783, 43.0592



17.4053, 20.6783, 0.9289



9.8068, 20.6783, 63.5382

# Complementary

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



38.0691, 20.6783, 43.0592



28.7052, 51.7724, 19.5488

# 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.



7.9075, 20.6783, 29.9053



38.0691, 20.6783, 43.0592



11.4317, 20.6783, 2.5352

# Square

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



38.0691, 20.6783, 43.0592



25.9111, 20.6783, 1.2714



8.4068, 20.6783, 9.8344



14.4954, 20.6783, 95.0785



# Rectangle

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



38.0691, 20.6783, 43.0592



36.7882, 20.6783, 7.1713



8.4068, 20.6783, 9.8344



8.8891, 20.6783, 51.4403

# Sweetspot

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



38.0698, 20.6794, 43.0596



76.7840, 67.1880, 91.3433



18.6946, 10.1345, 67.3010



15.9282, 13.4867, 19.0146



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.



38.0698, 20.6794, 43.0596



51.5875, 25.9725, 54.6515



32.2992, 18.3711, 12.6718



13.4645, 13.2149, 15.7074



21.2840, 10.5146, 21.6732



1.4130, 0.6949, 1.5840



# Inverse Universe

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



38.0698, 20.6794, 43.0596



51.5875, 25.9725, 54.6515



34.5295, 54.1022, 50.2194



13.4645, 13.2149, 15.7074



21.2840, 10.5146, 21.6732



1.4130, 0.6949, 1.5840



# Previews

## White Background



This preview shows how the XYZ color 38.0691, 20.6783, 43.0592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

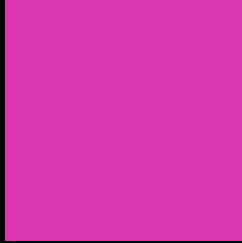
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.0691, 20.6783, 43.0592 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 38.0691, 20.6783, 43.0592**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0691, 20.6783, 43.0592.



This preview shows how white text looks on a background with the XYZ color 38.0691, 20.6783,



# 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

38.0691, 20.6783, 43.0592

### Protanopia

24.2470, 21.3317, 79.1834

### Deuteranopia

21.2930, 20.8815, 38.9847



## Tritanopia

31.4331, 20.5927, 11.5506

# Trichromacy



## Original Color

38.0691, 20.6783, 43.0592



## Protanomaly

24.5635, 17.7739, 64.4234



## Deuteranomaly

24.8544, 18.5983, 40.3101



## Tritanomaly

33.1481, 20.1369, 19.9090

# Monochromacy



## Original Color

38.0691, 20.6783, 43.0592



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

21.9166, 16.7104, 26.1151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0691, 20.6783, 43.0592 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(218, 54, 176)` looks like.

```
.text, #text, p{  
    color:rgb(218, 54, 176)  
}
```

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(218, 54, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 54, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0691, 20.6783, 43.0592 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(218, 54, 176) }
```



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

```
.border{ border-color:rgb(218, 54, 176) }
```

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

Here you see how a box with a 4 pixel rgb(218, 54, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 54, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 54, 176);  
box-shadow:4px 4px 4px 4px rgb(218, 54,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0691, 20.6783, 43.0592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 54, 176) }
```

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

```
.background{ background-color: rgb(218, 54,  
176) }
```

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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