

Converting Colors

XYZ(38.4352, 20.6734, 48.8943)

Have a look what the booklet for
XYZ(38.4352, 20.6734, 48.8943)
contains.

XYZ(38.5616, 20.7330, 48.9832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.5616, 20.7330,
48.9832)**

Conversions

Conversions Part 1

Format	Color
Hex	D835BB
RGB	216, 53, 187
RGB Percent	85%, 21%, 73%
CMY	0.1529, 0.7921, 0.2667
CMYK	0.00, 0.75, 0.13, 0.15
HSL	311°, 68%, 53%
HSV	311°, 75%, 85%
XYZ	38.5616, 20.7330, 48.9832
YIQ	117.0130, 54.1340, 76.2300

Conversions

Conversions Part 2

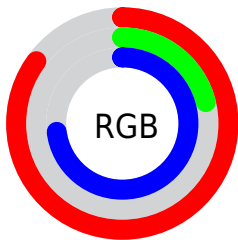
Format	Color
R _{YB}	216, 53, 187
Decimal	14169531
CIE _{Lab}	52.66, 74.22, -34.87
CIE _{LCh}	53, 82.002, 334.831
Yxy	20.7330, 0.3561, 0.1915
Android (android.graphics.Color)	4292359611 (0xFFD835BB)
YUV	117.0130, 34.5036, 86.8116
Hunter-Lab	45.5335, 71.4852, -31.9085

Details

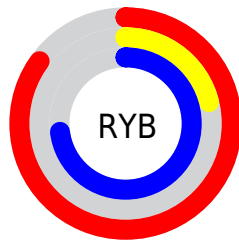
The XYZ color **38.5616, 20.7330, 48.9832** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **27.5481, 50.4785, 16.2761**, and the grayscale version is **16.7989, 17.6738, 19.2468**.

A 20% lighter version of the original color is **63.8145, 40.2824, 89.9998**, and **18.1383, 8.8616, 22.9448** is the 20% darker color. If you saturate the color by 10%, you get **37.3835, 19.0260, 46.5877**, and if you desaturate by 10%, it is **40.1956, 23.3332, 51.5853**.

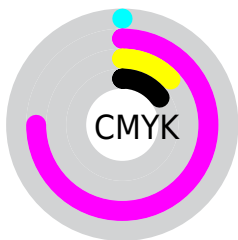
Distribution



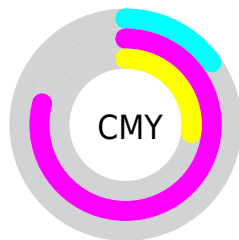
- Red (85%)
- Green (21%)
- Blue (73%)



- Red (85%)
- Yellow (21%)
- Blue (73%)



- Cyan (0%)
- Magenta (75%)
- Yellow (13%)
- Black (15%)





- Cyan (15%)
- Magenta (79%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5616, 20.7330, 48.9832 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 38.5616, 20.7330, 48.9832 by changing the saturation by 10% instead.

 38.5616, 20.7330,
48.9832

 38.5616, 20.7330,
48.9832


331.2623,
255.8561, 399.2967


 26.5980, 12.9290,
34.2406


 72.2665, 44.6427,
90.0472


 17.4066, 7.3797,
22.7997


 94.7385, 61.5173,
117.2058


 10.6219, 3.7006,
14.2417


 121.4441, 82.1841,
149.3401

 5.8786, 1.5076,
8.1483

 152.7485,
107.0275, 186.8687

 2.8114, 0.2940,
4.1009

 189.0172,
136.4321, 230.2101

 1.0548, 0.0000,
1.6808

230.6155,

 0.0000, 0.0000,

170.7821, 279.7829

0.3476

277.9088,
210.4620, 336.0056

■ 0.0000, 0.0000,
0.0000

■ 38.5616, 20.7330,
48.9832

■ 38.5616, 20.7330,
48.9832

■ 37.3835, 19.0260,
46.5877

■ 40.1956, 23.3332,
51.5853

■ 36.5940, 18.0794,
44.3755


■ 42.3361, 26.9292,
54.4108


■ 36.3117, 17.7961,
43.4139


■ 45.0295, 31.6130,
57.4758


■ 48.3162, 37.4653,
60.7941

■ 52.2327, 44.5592,
64.3783

 56.8126, 52.9616,
68.2400

 62.0872, 62.7350,
72.3900

 68.0856, 73.9375,
76.8384

 74.8354, 86.6239,
81.5948

Harmonies

Analogous

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



30.6216, 20.7330, 87.1342



38.5616, 20.7330, 48.9832



40.9515, 20.7330, 18.8496

Triad

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



38.5616, 20.7330, 48.9832



18.3584, 20.7330, 0.6345



9.0860, 20.7330, 61.3720

Complementary

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



38.5616, 20.7330, 48.9832



27.5481, 50.4785, 16.2761

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.



7.4750, 20.7330, 26.7609



38.5616, 20.7330, 48.9832



11.7523, 20.7330, 1.8120

Square

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



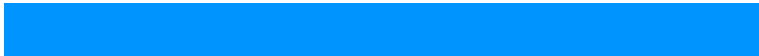
38.5616, 20.7330, 48.9832



27.5263, 20.7330, 1.1717



8.2872, 20.7330, 7.9231



13.5280, 20.7330, 97.2226

Rectangle

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



38.5616, 20.7330, 48.9832



38.6255, 20.7330, 8.0485



8.2872, 20.7330, 7.9231



8.2643, 20.7330, 48.5642

Sweetspot

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



38.5623, 20.7340, 48.9836



77.4740, 67.4640, 94.9767



16.9914, 9.2181, 65.8499



16.0972, 13.5543, 19.9046



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.



38.5623, 20.7340, 48.9836



53.6463, 26.7112, 65.7543



32.2644, 18.2149, 15.8193



12.8538, 12.5930, 15.1703



21.5289, 10.5479, 25.8871



1.3239, 0.6464, 1.6951

Inverse Universe

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



38.5623, 20.7340, 48.9836



53.6463, 26.7112, 65.7543



32.5171, 52.4661, 42.4422



12.8538, 12.5930, 15.1703



21.5289, 10.5479, 25.8871



1.3239, 0.6464, 1.6951

Previews

White Background



This preview shows how the XYZ color 38.5616, 20.7330, 48.9832 looks on a white background.

Color Contrast Check

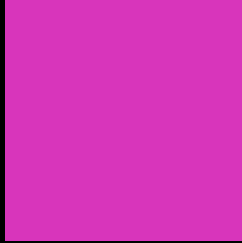
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5616, 20.7330, 48.9832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

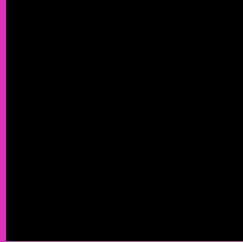
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5616, 20.7330, 48.9832

Background



This preview shows how black text looks on a background with the XYZ color 38.5616, 20.7330, 48.9832.



This preview shows how white text looks on a background with the XYZ color 38.5616, 20.7330,

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

38.5616, 20.7330, 48.9832

Protanopia

25.0103, 21.3030, 89.9825

Deuteranopia

21.4538, 21.0297, 44.5234



Tritanopia

30.9917, 20.6937, 12.4861

Trichromacy



Original Color

38.5616, 20.7330, 48.9832



Protanomaly

24.5474, 17.4304, 73.3048



Deuteranomaly

24.8350, 18.4629, 45.9708



Tritanomaly

32.8579, 20.1315, 22.2326

Monochromacy



Original Color

38.5616, 20.7330, 48.9832



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

22.0221, 16.7307, 27.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5616, 20.7330, 48.9832 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(216, 53, 187)` looks like.

```
.text, #text, p{  
    color:rgb(216, 53, 187)  
}
```

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(216, 53, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 53, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.5616, 20.7330, 48.9832 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(216, 53, 187) }
```


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

```
.border{ border-color:rgb(216, 53, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 53, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 53, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 53, 187); box-shadow:4px 4px 4px 4px rgb(216, 53, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5616, 20.7330, 48.9832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 53, 187) }
```

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

```
.background{ background-color: rgb(216, 53,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor