

Converting Colors

XYZ(41.2730, 20.0158, 58.9128)

Have a look what the booklet for
XYZ(41.2730, 20.0158, 58.9128)
contains.

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Color

**XYZ(41.3305, 20.0476,
58.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	DF00CC
RGB	223, 0, 204
RGB Percent	87%, 0%, 80%
CMY	0.1255, 0.9999, 0.2000
CMYK	0.00, 1.00, 0.09, 0.13
HSL	305°, 100%, 44%
HSV	305°, 100%, 87%
XYZ	41.3305, 20.0476, 58.8180
YIQ	89.9330, 67.4240, 110.7200

Conversions

Conversions Part 2

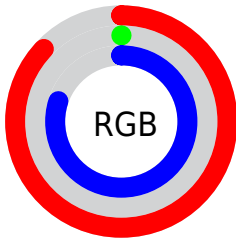
Format	Color
R_{YB}	223, 0, 204
Decimal	14614732
CIE _{Lab}	51.89, 86.17, -45.83
CIE _{LCh}	52, 97.600, 331.993
Yxy	20.0476, 0.3439, 0.1668
Android (android.graphics.Color)	4292804812 (0xFFDF00CC)
YUV	89.9330, 56.2350, 116.6998
Hunter-Lab	44.7745, 86.4144, -46.5440

Details

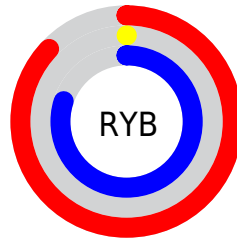
The XYZ color **41.3305, 20.0476, 58.8180** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.5063, 52.8233, 9.4167**, and the grayscale version is **9.5756, 10.0743, 10.9709**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.5291, 9.9565, 29.2736** is the 20% darker color. If you saturate the color by 10%, you get **41.3305, 20.0476, 58.8163**, and if you desaturate by 10%, it is **41.8537, 20.7263, 60.1240**.

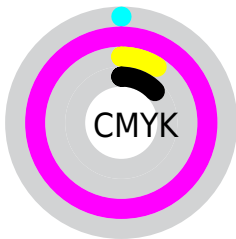
Distribution



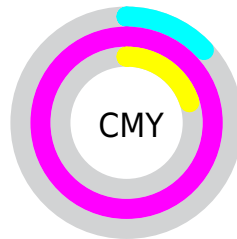
- Red (87%)
- Green (0%)
- Blue (80%)



- Red (87%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3305, 20.0476, 58.8180 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 41.3305, 20.0476, 58.8180 by changing the saturation by 10% instead.

 41.3305, 20.0476,
58.8180

 41.3305, 20.0476,
58.8180

342.7391,
252.1727, 437.9102

 28.7662, 12.4296,
42.0476


 76.4569, 43.4970,
104.6396


 19.0474, 7.0370,
28.8127


 99.7497, 60.0972,
134.5279


 11.8088, 3.4852,
18.6948


 127.3495, 80.4603,
169.6259

 6.6849, 1.3900,
11.2754

 159.6215,
104.9706, 210.3521

 3.3104, 0.2093,
6.1359

 196.9311,
134.0127, 257.1251

 1.3199, 0.0000,
2.8578

 239.6436,

 0.1981, 0.0000,

167.9708, 310.3634

1.0225

288.1245,
207.2293, 370.4856

■ 0.0000, 0.0000,
0.0000

■ 41.3305, 20.0476,
58.8180

■ 41.3305, 20.0476,
58.8180

■ 41.3305, 20.0476,
58.8163

■ 41.8537, 20.7263,
60.1240

■ 42.7170, 22.0816,
61.5571

■ 44.0308, 24.3332,
63.1541

■ 45.8574, 27.6058,
64.9359

■ 48.2491, 32.0042,
66.9200

■ 51.2519, 37.6204,
69.1218

■ 54.9071, 44.5367,
71.5550

■ 59.2523, 52.8285,
74.2323

■ 64.3222, 62.5652,
77.1653

Harmonies

Analogous

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



31.0459, 20.0476, 108.6046



41.3305, 20.0476, 58.8180



45.1653, 20.0476, 19.9842

Triad

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



41.3305, 20.0476, 58.8180



18.3993, 20.0476, 0.0000



7.0275, 20.0476, 65.4190

Complementary

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



41.3305, 20.0476, 58.8180



26.5063, 52.8233, 9.4167

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.



5.6461, 20.0476, 23.7828



41.3305, 20.0476, 58.8180



10.6333, 20.0476, 0.4678

Square

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



41.3305, 20.0476, 58.8180



29.4828, 20.0476, 0.2305



6.6920, 20.0476, 4.9172



11.4308, 20.0476, 114.2330

Rectangle

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



41.3305, 20.0476, 58.8180



42.7633, 20.0476, 7.1008



6.6920, 20.0476, 4.9172



6.2800, 20.0476, 49.3260

Sweetspot

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



41.3313, 20.0486, 58.8184



74.2781, 60.1073, 96.8855



13.5810, 5.4632, 70.1515



15.4264, 11.9698, 20.4300



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.



41.3313, 20.0486, 58.8184



55.9865, 27.1586, 79.5841



32.4052, 16.4782, 11.8143



14.2420, 13.9144, 17.0445



24.3223, 11.7959, 34.6927



1.7009, 0.8236, 2.4840

Inverse Universe

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



41.3313, 20.0486, 58.8184



55.9865, 27.1586, 79.5841



30.4243, 54.3905, 30.0489



14.2420, 13.9144, 17.0445



24.3223, 11.7959, 34.6927



1.7009, 0.8236, 2.4840

Previews

White Background



This preview shows how the XYZ color 41.3305, 20.0476, 58.8180 looks on a white background.

Color Contrast Check

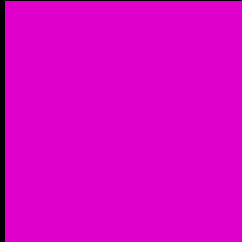
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3305, 20.0476, 58.8180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

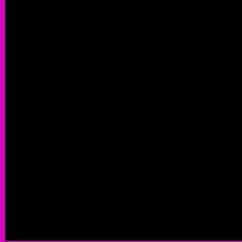
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3305, 20.0476, 58.8180

Background



This preview shows how black text looks on a background with the XYZ color 41.3305, 20.0476, 58.8180.



This preview shows how white text looks on a background with the XYZ color 41.3305, 20.0476,

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

41.3305, 20.0476, 58.8180

Protanopia

25.1368, 21.0233, 97.3408

Deuteranopia

21.3622, 20.8002, 52.7581



Tritanopia

31.3723, 20.2421, 10.8479

Trichromacy



Original Color

41.3305, 20.0476, 58.8180



Protanomaly

22.3084, 13.6910, 80.8237



Deuteranomaly

23.6477, 15.2983, 53.9310



Tritanomaly

33.1044, 18.3732, 22.2237

Monochromacy



Original Color

41.3305, 20.0476, 58.8180



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.0411, 9.9682, 22.5513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3305, 20.0476, 58.8180 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(223, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 204)  
}
```

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(223, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 41.3305, 20.0476, 58.8180 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(223, 0, 204) }
```


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

```
.border{ border-color:rgb(223, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3305, 20.0476, 58.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 204) }
```

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

```
.background{ background-color: rgb(223, 0,  
204) }
```

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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