

Converting Colors

$Y_{xy}(20.7604, 0.3533, 0.2017)$

Have a look what the booklet for
Yxy(20.7604, 0.3533, 0.2017)
contains.

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Color

Yxy(20.7604, 0.3533, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	D043B5
RGB	208, 67, 181
RGB Percent	82%, 26%, 71%
CMY	0.1842, 0.7373, 0.2902
CMYK	0.00, 0.68, 0.13, 0.18
HSL	311°, 60%, 54%
HSV	311°, 68%, 82%
XYZ	36.3642, 20.7604, 45.8026
YIQ	122.1550, 47.4420, 65.3460

Conversions

Conversions Part 2

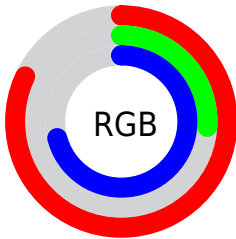
Format	Color
R _Y B	208, 67, 181
Decimal	13648821
CIE Lab	52.69, 66.92, -31.43
CIE LCh	53, 73.932, 334.841
Yxy	20.7604, 0.3533, 0.2017
Android (android.graphics.Color)	4291838901 (0xFFD043B5)
YUV	122.1550, 29.0106, 75.2861
Hunter-Lab	45.5636, 62.7240, -27.7065

Details

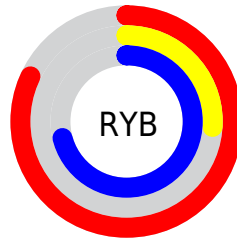
The Yxy color **20.7604, 0.3533, 0.2017** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **47.1242, 0.2914, 0.5106**, and the grayscale version is **19.4055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0417, 0.3347, 0.2204**, and **8.0425, 0.3611, 0.1763** is the 20% darker color. If you saturate the color by 10%, you get **18.5559, 0.3608, 0.1916**, and if you desaturate by 10%, it is **23.8594, 0.3459, 0.2158**.

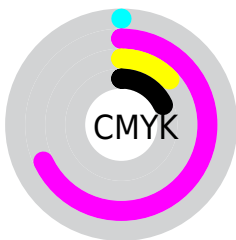
Distribution



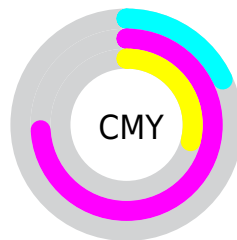
- Red (82%)
- Green (26%)
- Blue (71%)



- Red (82%)
- Yellow (26%)
- Blue (71%)



- Cyan (0%)
- Magenta (68%)
- Yellow (13%)
- Black (18%)




- Cyan (18%)
- Magenta (74%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7604, 0.3533, 0.2017 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 Yxy color 20.7604, 0.3533, 0.2017 by changing the saturation by 10% instead.


 20.7604, 0.3533,
0.2017


 20.7604, 0.3533,
0.2017


256.0024, 0.3339,
0.2655


 12.9490, 0.3577,
0.1861


 44.6884, 0.3466,
0.2247


 7.3934, 0.3630,
0.1665

 61.5738, 0.3439,
0.2334

 3.7093, 0.3693,
0.1412


 82.2527, 0.3417,
0.2408

 1.5123, 0.3765,
0.1082

 107.1094, 0.3397,
0.2472

 0.2974, 0.3904,
0.0476

 136.5283, 0.3380,
0.2527

 0.0000, 0.3885,
0.0000

170.8938, 0.3365,

 0.0000, 0.0000,

0.2575

0.0000

210.5904, 0.3351,
0.2617

■ 20.7604, 0.3533,
0.2017

■ 20.7604, 0.3533,
0.2017

■ 18.5559, 0.3608,
0.1916

■ 23.8594, 0.3459,
0.2158

■ 17.1427, 0.3682,
0.1861

■ 27.9353, 0.3387,
0.2329

■ 16.3784, 0.3752,
0.1849

■ 33.0648, 0.3321,
0.2522

■ 16.2462, 0.3767,
0.1849

■ 39.3157, 0.3260,
0.2726

■ 46.7505, 0.3207,
0.2933

■ 55.4268, 0.3159,
0.3136

■ 65.3987, 0.3119,
0.3332

■ 76.7169, 0.3084,
0.3517

■ 89.4293, 0.3054,
0.3690

Harmonies

Analogous

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



20.7604, 0.2293, 0.1617



20.7604, 0.3533, 0.2017



20.7604, 0.4901, 0.2648

Triad

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



20.7604, 0.3533, 0.2017



20.7604, 0.4572, 0.5127



20.7604, 0.1138, 0.2383

Complementary

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



20.7604, 0.3533, 0.2017



47.1242, 0.2914, 0.5106

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.



20.7604, 0.1507, 0.3741



20.7604, 0.3533, 0.2017



20.7604, 0.3472, 0.5796

Square

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



20.7604, 0.3533, 0.2017



20.7604, 0.5414, 0.4209



20.7604, 0.2354, 0.5341



20.7604, 0.1160, 0.1709

Rectangle

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



20.7604, 0.3533, 0.2017



20.7604, 0.5497, 0.3134



20.7604, 0.2354, 0.5341



20.7604, 0.1211, 0.2755

Sweetspot

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



20.7614, 0.3533, 0.2017



71.0521, 0.3219, 0.2882



10.8863, 0.1996, 0.1215



14.4776, 0.3234, 0.2824



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7614, 0.3533, 0.2017



28.3385, 0.3639, 0.1888



18.5875, 0.4637, 0.2787



11.9686, 0.3167, 0.3104



10.1367, 0.3758, 0.1844



0.5770, 0.3639, 0.1779

Inverse Universe

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



20.7614, 0.3533, 0.2017



28.3385, 0.3639, 0.1888



48.9731, 0.2560, 0.3978



11.9686, 0.3167, 0.3104



10.1367, 0.3758, 0.1844



0.5770, 0.3639, 0.1779

Previews

White Background



This preview shows how the Yxy color 20.7604, 0.3533, 0.2017 looks on a white background.

Color Contrast Check

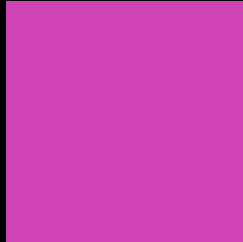
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.7604, 0.3533, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

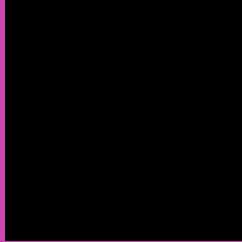
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7604, 0.3533, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 20.7604, 0.3533, 0.2017.



This preview shows how white text looks on a background with the Yxy color 20.7604, 0.3533, 0.2017.

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

20.7604, 0.3533, 0.2017

Protanopia

21.2632, 0.1974, 0.1750

Deuteranopia

21.0905, 0.2539, 0.2495



Tritanopia

20.8155, 0.4616, 0.3219

Trichromacy



Original Color

20.7604, 0.3533, 0.2017



Protanomaly

18.6146, 0.2309, 0.1735



Deuteranomaly

19.1988, 0.2845, 0.2210



Tritanomaly

20.4415, 0.4229, 0.2734

Monochromacy



Original Color

20.7604, 0.3533, 0.2017



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2582, 0.3291, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7604, 0.3533, 0.2017 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(208, 67, 181)` looks like.

```
.text, #text, p{  
    color:rgb(208, 67, 181)  
}
```

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(208, 67, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 67, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.7604, 0.3533, 0.2017 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(208, 67, 181) }
```

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

```
.border{ border-color:rgb(208, 67, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 67, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 67, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 67, 181);  
box-shadow:4px 4px 4px 4px rgb(208, 67,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7604, 0.3533, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 67, 181) }
```

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

```
.background{ background-color: rgb(208, 67,  
181) }
```

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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