

Converting Colors

$Y_{xy}(20.5843, 0.4007, 0.2537)$

Have a look what the booklet for
Yxy(20.5843, 0.4007, 0.2537)
contains.

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Color

Yxy(20.5344, 0.4015, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	CB518E
RGB	203, 81, 142
RGB Percent	80%, 32%, 56%
CMY	0.2038, 0.6824, 0.4431
CMYK	0.00, 0.60, 0.30, 0.20
HSL	330°, 54%, 56%
HSV	330°, 60%, 80%
XYZ	32.4589, 20.5344, 27.8508
YIQ	124.4320, 53.1310, 44.8350

Conversions

Conversions Part 2

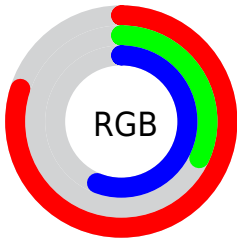
Format	Color
R_{YB}	203, 81, 142
Decimal	13324686
CIE _{Lab}	52.44, 54.51, -8.96
CIE _{LCh}	52, 55.239, 350.662
Yxy	20.5344, 0.4015, 0.2540
Android (android.graphics.Color)	4291514766 (0xFFCB518E)
YUV	124.4320, 8.6610, 68.9041
Hunter-Lab	45.3149, 48.5579, -4.7195

Details

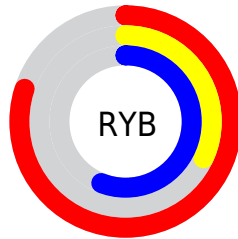
The Yxy color **20.5344, 0.4015, 0.2540** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **46.4233, 0.2718, 0.4257**, and the grayscale version is **20.2640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8538, 0.3746, 0.2675**, and **7.2582, 0.4340, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **17.6655, 0.4246, 0.2464**, and if you desaturate by 10%, it is **24.3349, 0.3806, 0.2646**.

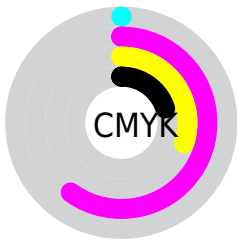
Distribution



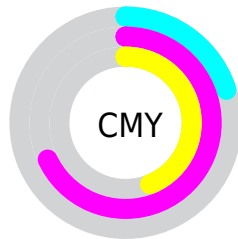
- Red (80%)
- Green (32%)
- Blue (56%)



- Red (80%)
- Yellow (32%)
- Blue (56%)



- Cyan (0%)
- Magenta (60%)
- Yellow (30%)
- Black (20%)



- Cyan (20%)
- Magenta (68%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5344, 0.4015, 0.2540 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 20.5344, 0.4015, 0.2540 by changing the saturation by 10% instead.


 20.5344, 0.4015,
0.2540


 20.5344, 0.4015,
0.2540


254.7936, 0.3524,
0.2944


 12.7841, 0.4155,
0.2429


 44.3113, 0.3824,
0.2694


 7.2800, 0.4347,
0.2281


 61.1068, 0.3756,
0.2750


 3.6378, 0.4625,
0.2073

 81.6860, 0.3700,
0.2796

 1.4731, 0.5057,
0.1764

 106.4335, 0.3653,
0.2835

 0.2697, 0.6058,
0.0893

 135.7336, 0.3614,
0.2868

 0.0000, 1.0000,
0.0000

169.9708, 0.3579,

 0.0000, 0.0000,

0.2897

0.0000

209.5293, 0.3550,
0.2922

■ 20.5344, 0.4015,
0.2540

■ 20.5344, 0.4015,
0.2540

■ 17.6655, 0.4246,
0.2464

■ 24.3349, 0.3806,
0.2646

■ 15.6410, 0.4491,
0.2430

■ 29.1374, 0.3622,
0.2770

■ 14.3629, 0.4737,
0.2448

■ 35.0092, 0.3464,
0.2903

■ 13.6497, 0.4972,
0.2513

■ 42.0106, 0.3331,
0.3036

■ 50.1978, 0.3220,
0.3166

■ 59.6227, 0.3128,
0.3289

■ 70.3345, 0.3052,
0.3404

■ 82.3796, 0.2989,
0.3510

■ 90.1230, 0.2935,
0.3520

Harmonies

Analogous

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



20.5344, 0.2971, 0.2083



20.5344, 0.4015, 0.2540



20.5344, 0.4857, 0.3148

Triad

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



20.5344, 0.4015, 0.2540



20.5344, 0.3935, 0.5083



20.5344, 0.1478, 0.2272

Complementary

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



20.5344, 0.4015, 0.2540



46.4233, 0.2718, 0.4257

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.



20.5344, 0.1638, 0.3072



20.5344, 0.4015, 0.2540



20.5344, 0.3013, 0.5068

Square

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



20.5344, 0.4015, 0.2540



20.5344, 0.4706, 0.4526



20.5344, 0.2169, 0.4212



20.5344, 0.1645, 0.1898

Rectangle

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



20.5344, 0.4015, 0.2540



20.5344, 0.5090, 0.3596



20.5344, 0.2169, 0.4212



20.5344, 0.1493, 0.2487

Sweetspot

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



20.5355, 0.4015, 0.2540



72.7394, 0.3309, 0.3061



15.7679, 0.2489, 0.1600



14.7628, 0.3344, 0.3022



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.



20.5355, 0.4015, 0.2540



28.4699, 0.4315, 0.2450



19.2067, 0.4964, 0.3272



11.3057, 0.3213, 0.3175



8.7029, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Inverse Universe

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



20.5355, 0.4015, 0.2540



28.4699, 0.4315, 0.2450



48.6871, 0.2405, 0.3317



11.3057, 0.3213, 0.3175



8.7029, 0.4942, 0.2496



0.4643, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 20.5344, 0.4015, 0.2540 looks on a white background.

Color Contrast Check

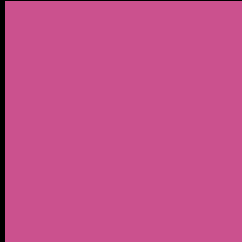
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5344, 0.4015, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

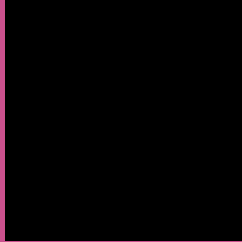
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5344, 0.4015, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 20.5344, 0.4015, 0.2540.



This preview shows how white text looks on a background with the Yxy color 20.5344, 0.4015, 0.2540.

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

20.5344, 0.4015, 0.2540

Protanopia

20.8003, 0.2545, 0.2492

Deuteranopia

20.6832, 0.3102, 0.3045



Tritanopia

20.4874, 0.4627, 0.3219

Trichromacy



Original Color

20.5344, 0.4015, 0.2540

Protanomaly

19.2829, 0.2982, 0.2459

Deuteranomaly

19.6195, 0.3414, 0.2797

Tritanomaly

20.2880, 0.4414, 0.2964

Monochromacy



Original Color

20.5344, 0.4015, 0.2540

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.1361, 0.3439, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5344, 0.4015, 0.2540 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(203, 81, 142)` looks like.

```
.text, #text, p{  
    color:rgb(203, 81, 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(203, 81, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 81, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.5344, 0.4015, 0.2540 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(203, 81, 142) }
```

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

```
.border{ border-color:rgb(203, 81, 142) }
```

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

Here you see how a box with a 4 pixel rgb(203, 81, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 81, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 81, 142);  
box-shadow:4px 4px 4px 4px rgb(203, 81,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5344, 0.4015, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 81, 142) }
```

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

```
.background{ background-color: rgb(203, 81,  
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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