

Converting Colors

$Y_{xy}(20.5331, 0.3562, 0.1948)$

Have a look what the booklet for
Yxy(20.5331, 0.3562, 0.1948)
contains.

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Color

Yxy(20.5331, 0.3562, 0.1948)

Conversions

Conversions Part 1

Format	Color
Hex	D539B8
RGB	213, 57, 184
RGB Percent	84%, 22%, 72%
CMY	0.1649, 0.7762, 0.2785
CMYK	0.00, 0.73, 0.14, 0.16
HSL	311°, 65%, 53%
HSV	311°, 73%, 84%
XYZ	37.5456, 20.5331, 47.3273
YIQ	118.1220, 52.2090, 72.5690

Conversions

Conversions Part 2

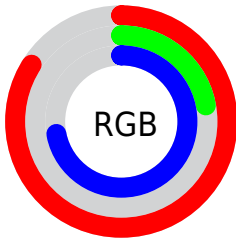
Format	Color
R _Y B	213, 57, 184
Decimal	13973944
CIE Lab	52.43, 71.89, -33.51
CIE LCh	52, 79.318, 335.009
Yxy	20.5331, 0.3562, 0.1948
Android (android.graphics.Color)	4292164024 (0xFFD539B8)
YUV	118.1220, 32.4779, 83.2080
Hunter-Lab	45.3135, 68.6022, -30.2056

Details

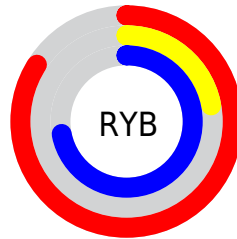
The Yxy color **20.5331, 0.3562, 0.1948** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **49.1123, 0.2916, 0.5273**, and the grayscale version is **18.0512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5081, 0.3324, 0.2122**, and **8.4817, 0.3640, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **18.6852, 0.3634, 0.1871**, and if you desaturate by 10%, it is **23.2704, 0.3489, 0.2069**.

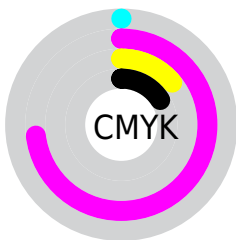
Distribution



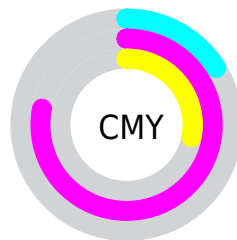
- Red (84%)
- Green (22%)
- Blue (72%)



- Red (84%)
- Yellow (22%)
- Blue (72%)



- Cyan (0%)
- Magenta (73%)
- Yellow (14%)
- Black (16%)





- Cyan (16%)
- Magenta (78%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5331, 0.3562, 0.1948 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 20.5331, 0.3562, 0.1948 by changing the saturation by 10% instead.


 20.5331, 0.3562,
0.1948


 20.5331, 0.3562,
0.1948


254.7867, 0.3356,
0.2615


 12.7831, 0.3608,
0.1787


 44.3092, 0.3491,
0.2187

 7.2794, 0.3663,
0.1586


 61.1041, 0.3463,
0.2278


 3.6374, 0.3727,
0.1330


 81.6828, 0.3439,
0.2355

 1.4729, 0.3799,
0.1001

 106.4296, 0.3418,
0.2422

 0.2695, 0.3938,
0.0403

 135.7291, 0.3400,
0.2480

 0.0000, 0.3897,
0.0000

169.9654, 0.3383,

 0.0000, 0.0000,

0.2530

0.0000

209.5232, 0.3369,
0.2575

■ 20.5331, 0.3562,
0.1948

■ 20.5331, 0.3562,
0.1948

■ 18.6852, 0.3634,
0.1871

■ 23.2704, 0.3489,
0.2069

■ 17.6049, 0.3703,
0.1840


■ 26.9924, 0.3418,
0.2225


■ 17.1720, 0.3749,
0.1839

■ 31.7853, 0.3351,
0.2409

■ 37.7251, 0.3288,
0.2609

■ 44.8811, 0.3232,
0.2817

 53.3168, 0.3183,
0.3025

 63.0915, 0.3140,
0.3227

 74.2607, 0.3103,
0.3420

 86.8766, 0.3071,
0.3601

Harmonies

Analogous

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



20.5331, 0.2241, 0.1533



20.5331, 0.3562, 0.1948



20.5331, 0.5038, 0.2601

Triad

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



20.5331, 0.3562, 0.1948



20.5331, 0.4601, 0.5198



20.5331, 0.1037, 0.2300

Complementary

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



20.5331, 0.3562, 0.1948



49.1123, 0.2916, 0.5273

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.



20.5331, 0.1400, 0.3752



20.5331, 0.3562, 0.1948



20.5331, 0.3435, 0.5974

Square

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



20.5331, 0.3562, 0.1948



20.5331, 0.5521, 0.4206



20.5331, 0.2270, 0.5522



20.5331, 0.1068, 0.1613

Rectangle

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



20.5331, 0.3562, 0.1948



20.5331, 0.5665, 0.3098



20.5331, 0.2270, 0.5522



20.5331, 0.1106, 0.2690

Sweetspot

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



20.5341, 0.3562, 0.1948



68.6275, 0.3227, 0.2837



9.6979, 0.1902, 0.1067



14.0071, 0.3242, 0.2780



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.



20.5341, 0.3562, 0.1948



27.0386, 0.3674, 0.1848



18.1235, 0.4832, 0.2778



12.5913, 0.3166, 0.3102



10.5082, 0.3740, 0.1834



0.6443, 0.3632, 0.1774

Inverse Universe

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



20.5341, 0.3562, 0.1948



27.0386, 0.3674, 0.1848



51.1055, 0.2544, 0.4045



12.5913, 0.3166, 0.3102



10.5082, 0.3740, 0.1834



0.6443, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 20.5331, 0.3562, 0.1948 looks on a white background.

Color Contrast Check

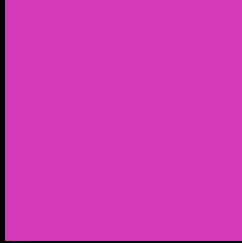
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5331, 0.3562, 0.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

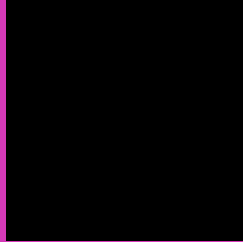
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5331, 0.3562, 0.1948

Background



This preview shows how black text looks on a background with the Yxy color 20.5331, 0.3562, 0.1948.



This preview shows how white text looks on a background with the Yxy color 20.5331, 0.3562, 0.1948.

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

20.5331, 0.3562, 0.1948

Protanopia

21.1117, 0.1878, 0.1624

Deuteranopia

20.7225, 0.2494, 0.2444



Tritanopia

20.4441, 0.4774, 0.3223

Trichromacy



Original Color

20.5331, 0.3562, 0.1948



Protanomaly

17.5628, 0.2193, 0.1582



Deuteranomaly

18.5317, 0.2813, 0.2117



Tritanomaly

19.9406, 0.4340, 0.2698

Monochromacy



Original Color

20.5331, 0.3562, 0.1948



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.0910, 0.3313, 0.2550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5331, 0.3562, 0.1948 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(213, 57, 184)` looks like.

```
.text, #text, p{  
    color:rgb(213, 57, 184)  
}
```

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(213, 57, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 57, 184) }
```

Border

The CSS property to change the border of an element to Yxy 20.5331, 0.3562, 0.1948 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(213, 57, 184) }
```

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

```
.border{ border-color:rgb(213, 57, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 57, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 57, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 57, 184);  
box-shadow:4px 4px 4px 4px rgb(213, 57,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5331, 0.3562, 0.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 57, 184) }
```

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

```
.background{ background-color: rgb(213, 57,  
184) }
```

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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