

Converting Colors

Yxy(20.4802, 0.3734, 0.1949)

Have a look what the booklet for
Yxy(20.4802, 0.3734, 0.1949)
contains.

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Color

Yxy(20.5217, 0.3727, 0.1947)

Conversions

Conversions Part 1

Format	Color
Hex	DE2AB5
RGB	222, 42, 181
RGB Percent	87%, 16%, 71%
CMY	0.1295, 0.8349, 0.2903
CMYK	0.00, 0.81, 0.18, 0.13
HSL	314°, 73%, 52%
HSV	314°, 81%, 87%
XYZ	39.2832, 20.5217, 45.5968
YIQ	111.6660, 62.6610, 81.3890

Conversions

Conversions Part 2

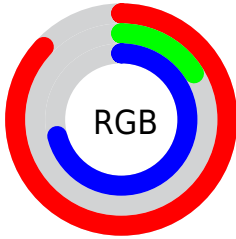
Format	Color
RYB	222, 42, 181
Decimal	14559925
CIELab	52.42, 77.52, -31.66
CIELCh	52, 83.737, 337.783
Yxy	20.5217, 0.3727, 0.1947
Android (android.graphics.Color)	4292750005 (0xFFDE2AB5)
YUV	111.6660, 34.1817, 96.7629
Hunter-Lab	45.3009, 75.5118, -27.9666

Details

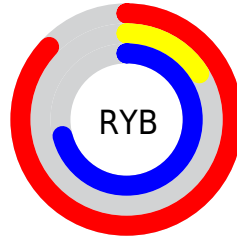
The Yxy color **20.5217, 0.3727, 0.1947** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **53.3446, 0.2893, 0.5390**, and the grayscale version is **15.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5263, 0.3358, 0.2083**, and **9.2399, 0.3816, 0.1876** is the 20% darker color. If you saturate the color by 10%, you get **19.1527, 0.3817, 0.1914**, and if you desaturate by 10%, it is **22.7715, 0.3635, 0.2027**.

Distribution



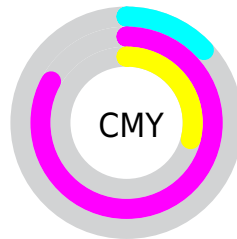
- Red (87%)
- Green (16%)
- Blue (71%)



- Red (87%)
- Yellow (16%)
- Blue (71%)



- Cyan (0%)
- Magenta (81%)
- Yellow (18%)
- Black (13%)





- Cyan (13%)
- Magenta (83%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5217, 0.3727, 0.1947 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 20.5217, 0.3727, 0.1947 by changing the saturation by 10% instead.


 20.5217, 0.3727,
0.1947


 20.5217, 0.3727,
0.1947


254.7256, 0.3431,
0.2614


 12.7748, 0.3798,
0.1786


 44.2901, 0.3621,
0.2186


 7.2737, 0.3886,
0.1585


 61.0805, 0.3581,
0.2277


 3.6338, 0.3998,
0.1329


 81.6542, 0.3546,
0.2354

 1.4709, 0.4140,
0.1001

 106.3955, 0.3517,
0.2421

 0.2681, 0.4399,
0.0401

 135.6889, 0.3491,
0.2479

 0.0000, 0.4554,
0.0000

169.9188, 0.3468,

 0.0000, 0.3112,

0.2529

0.0000

209.4695, 0.3448,
0.2574

■ 0.0000, 0.0000,
0.0000

■ 20.5217, 0.3727,
0.1947

■ 20.5217, 0.3727,
0.1947

■ 19.1527, 0.3817,
0.1914

■ 22.7715, 0.3635,
0.2027


■ 18.4793, 0.3894,
0.1919


■ 26.0248, 0.3544,
0.2150

■ 30.3882, 0.3457,
0.2307


■ 35.9536, 0.3376,
0.2488

■ 42.8036, 0.3303,
0.2683

 51.0131, 0.3237,
0.2882

 60.6516, 0.3181,
0.3080

 71.7836, 0.3132,
0.3271

 84.4698, 0.3090,
0.3452

Harmonies

Analogous

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



20.5217, 0.2302, 0.1497



20.5217, 0.3727, 0.1947



20.5217, 0.5257, 0.2629

Triad

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



20.5217, 0.3727, 0.1947



20.5217, 0.4518, 0.5347



20.5217, 0.0952, 0.2146

Complementary

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



20.5217, 0.3727, 0.1947



53.3446, 0.2893, 0.5390

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.



20.5217, 0.1266, 0.3588



20.5217, 0.3727, 0.1947



20.5217, 0.3291, 0.6143

Square

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



20.5217, 0.3727, 0.1947



20.5217, 0.5529, 0.4284



20.5217, 0.2107, 0.5534



20.5217, 0.1020, 0.1508

Rectangle

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



20.5217, 0.3727, 0.1947



20.5217, 0.5840, 0.3137



20.5217, 0.2107, 0.5534



20.5217, 0.1006, 0.2522

Sweetspot

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



20.5228, 0.3727, 0.1947



66.1088, 0.3257, 0.2819



8.6877, 0.1815, 0.0906



13.2854, 0.3281, 0.2748



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.



20.5228, 0.3727, 0.1947



25.5328, 0.3875, 0.1918



17.9787, 0.5225, 0.2853



13.8794, 0.3172, 0.3111



10.9978, 0.3882, 0.1912



0.7755, 0.3757, 0.1844

Inverse Universe

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



20.5228, 0.3727, 0.1947



25.5328, 0.3875, 0.1918



55.6592, 0.2503, 0.4047



13.8794, 0.3172, 0.3111



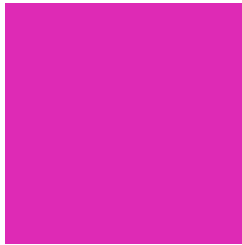
10.9978, 0.3882, 0.1912



0.7755, 0.3757, 0.1844

Previews

White Background



This preview shows how the Yxy color 20.5217, 0.3727, 0.1947 looks on a white background.

Color Contrast Check

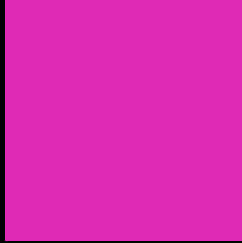
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5217, 0.3727, 0.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

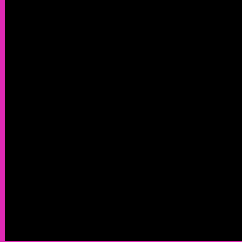
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5217, 0.3727, 0.1947

Background



This preview shows how black text looks on a background with the Yxy color 20.5217, 0.3727, 0.1947.



This preview shows how white text looks on a background with the Yxy color 20.5217, 0.3727, 0.1947.

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

20.5217, 0.3727, 0.1947

Protanopia

21.2154, 0.1835, 0.1569

Deuteranopia

20.8663, 0.2554, 0.2494



Tritanopia

20.5282, 0.5074, 0.3242

Trichromacy



Original Color

20.5217, 0.3727, 0.1947



Protanomaly

16.6133, 0.2143, 0.1489



Deuteranomaly

17.8729, 0.2911, 0.2092



Tritanomaly

19.9801, 0.4618, 0.2722

Monochromacy



Original Color

20.5217, 0.3727, 0.1947



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2979, 0.3383, 0.2480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5217, 0.3727, 0.1947 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(222, 42, 181)` looks like.

```
.text, #text, p{  
    color:rgb(222, 42, 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(222, 42, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 42, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.5217, 0.3727, 0.1947 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(222, 42, 181) }
```

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

```
.border{ border-color:rgb(222, 42, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 42, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 42, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 42, 181);  
box-shadow:4px 4px 4px 4px rgb(222, 42,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5217, 0.3727, 0.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 42, 181) }
```

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

```
.background{ background-color: rgb(222, 42,  
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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