

Converting Colors

$Y_{xy}(20.4931, 0.3095, 0.1598)$

Have a look what the booklet for
Yxy(20.4931, 0.3095, 0.1598)
contains.

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Color

Yxy(20.5049, 0.3091, 0.1597)

Conversions

Conversions Part 1

Format	Color
Hex	D02FDA
RGB	208, 47, 218
RGB Percent	82%, 18%, 85%
CMY	0.1843, 0.8158, 0.1450
CMYK	0.05, 0.78, 0.00, 0.15
HSL	296°, 70%, 52%
HSV	296°, 78%, 85%
XYZ	39.6873, 20.5049, 68.2042
YIQ	114.6330, 41.0650, 87.3130

Conversions

Conversions Part 2

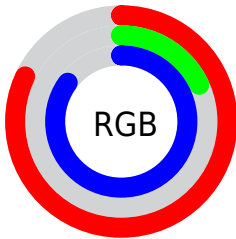
Format	Color
RYB	208, 47, 218
Decimal	13643738
CIELab	52.40, 78.87, -53.19
CIELCh	52, 95.132, 326.006
Yxy	20.5049, 0.3091, 0.1597
Android (android.graphics.Color)	4291833818 (0xFFD02FDA)
YUV	114.6330, 50.9599, 81.8829
Hunter-Lab	45.2823, 77.2007, -57.6048

Details

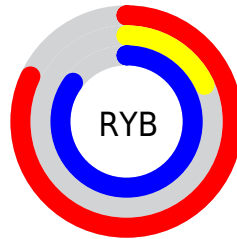
The Yxy color **20.5049, 0.3091, 0.1597** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **51.2238, 0.3043, 0.5715**, and the grayscale version is **16.8598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **8.9982, 0.3010, 0.1432** is the 20% darker color. If you saturate the color by 10%, you get **18.9932, 0.3078, 0.1512**, and if you desaturate by 10%, it is **22.8894, 0.3103, 0.1726**.

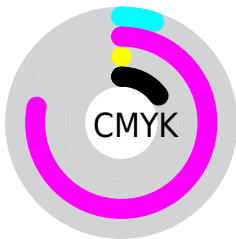
Distribution



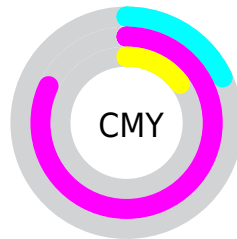
- Red (82%)
- Green (18%)
- Blue (85%)



- Red (82%)
- Yellow (18%)
- Blue (85%)



- Cyan (5%)
- Magenta (78%)
- Yellow (0%)
- Black (15%)




- Cyan (18%)
- Magenta (82%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5049, 0.3091, 0.1597 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 20.5049, 0.3091, 0.1597 by changing the saturation by 10% instead.


 20.5049, 0.3091,
0.1597


 20.5049, 0.3091,
0.1597


254.6355, 0.3159,
0.2394


 12.7626, 0.3059,
0.1421


 44.2621, 0.3127,
0.1871

 7.2653, 0.3009,
0.1210


 61.0457, 0.3138,
0.1979

 3.6285, 0.2929,
0.0957


 81.6120, 0.3145,
0.2072

 1.4680, 0.2796,
0.0662

 106.3452, 0.3150,
0.2153

 0.2661, 0.2593,
0.0229

 135.6297, 0.3154,
0.2225

 0.0000, 0.2156,
0.0000

169.8500, 0.3156,


 0.0000, 0.0406,

0.2288


0.0000


209.3905, 0.3158,
0.2344


 0.0000, 0.0000,
0.0000


 20.5049, 0.3091,
0.1597


 20.5049, 0.3091,
0.1597


 18.9932, 0.3078,
0.1512


 22.8894, 0.3103,
0.1726


 18.1810, 0.3064,
0.1466

 26.2581, 0.3112,
0.1896

 18.0795, 0.3062,
0.1460

 30.7089, 0.3120,
0.2101

 36.3272, 0.3125,
0.2332

 43.1897, 0.3128,
0.2579

■ 51.3668, 0.3129,
0.2832

■ 60.9234, 0.3129,
0.3084

■ 71.9204, 0.3127,
0.3327

■ 84.4146, 0.3124,
0.3558

Harmonies

Analogous

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



20.5049, 0.1767, 0.1250



20.5049, 0.3091, 0.1597



20.5049, 0.4902, 0.2233

Triad

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



20.5049, 0.3091, 0.1597



20.5049, 0.5040, 0.4960



20.5049, 0.0842, 0.2475

Complementary

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



20.5049, 0.3091, 0.1597



51.2238, 0.3043, 0.5715

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.



20.5049, 0.1340, 0.4521



20.5049, 0.3091, 0.1597



20.5049, 0.3717, 0.6181

Square

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



20.5049, 0.3091, 0.1597



20.5049, 0.6007, 0.3843



20.5049, 0.2404, 0.6436



20.5049, 0.0795, 0.1519

Rectangle

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



20.5049, 0.3091, 0.1597



20.5049, 0.5857, 0.2740



20.5049, 0.2404, 0.6436



20.5049, 0.0945, 0.3029

Sweetspot

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



20.5058, 0.3091, 0.1597



66.3022, 0.3128, 0.2686



8.7314, 0.1682, 0.0956



13.3320, 0.3128, 0.2595



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.



20.5058, 0.3091, 0.1597



26.2682, 0.3069, 0.1479



18.9495, 0.4260, 0.2309



13.2341, 0.3129, 0.3059



10.8468, 0.3064, 0.1461



0.7147, 0.3089, 0.1475

Inverse Universe

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



17.2341, 0.5735, 0.3222



21.7005, 0.6260, 0.3262



52.1361, 0.2739, 0.4807



13.0638, 0.3282, 0.3277



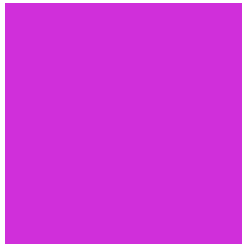
8.9521, 0.6335, 0.3263



0.5844, 0.6141, 0.3157

Previews

White Background



This preview shows how the Yxy color 20.5049, 0.3091, 0.1597 looks on a white background.

Color Contrast Check

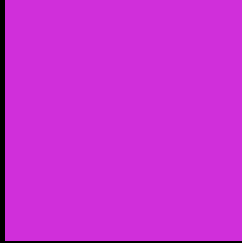
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5049, 0.3091, 0.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

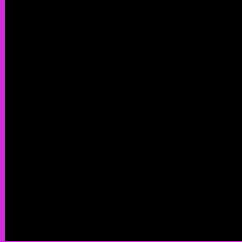
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5049, 0.3091, 0.1597

Background



This preview shows how black text looks on a background with the Yxy color 20.5049, 0.3091, 0.1597.



This preview shows how white text looks on a background with the Yxy color 20.5049, 0.3091, 0.1597.

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

20.5049, 0.3091, 0.1597

Protanopia

21.0435, 0.1754, 0.1466

Deuteranopia

20.8338, 0.2069, 0.2012



Tritanopia

20.3948, 0.4501, 0.3215

Trichromacy



Original Color

20.5049, 0.3091, 0.1597



Protanomaly

16.4909, 0.1902, 0.1304



Deuteranomaly

17.4135, 0.2303, 0.1665



Tritanomaly

19.4330, 0.3960, 0.2469

Monochromacy



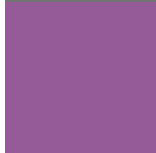
Original Color

20.5049, 0.3091, 0.1597



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

15.9689, 0.3133, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5049, 0.3091, 0.1597 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, 47, 218)` looks like.

```
.text, #text, p{  
    color:rgb(208, 47, 218)  
}
```

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, 47, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 47, 218) }
```

Border

The CSS property to change the border of an element to Yxy 20.5049, 0.3091, 0.1597 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, 47, 218) }
```

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

```
.border{ border-color:rgb(208, 47, 218) }
```

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

Here you see how a box with a 4 pixel rgb(208, 47, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 47, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 47, 218);  
box-shadow:4px 4px 4px 4px rgb(208, 47,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5049, 0.3091, 0.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 47, 218) }
```

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

```
.background{ background-color: rgb(208, 47,  
218) }
```

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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