

Converting Colors

$Y_{xy}(20.1443, 0.3086, 0.1524)$

Have a look what the booklet for
Yxy(20.1443, 0.3086, 0.1524)
contains.

Yxy(20.2035, 0.3084, 0.1523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.2035, 0.3084, 0.1523)

Conversions

Conversions Part 1

Format	Color
Hex	D41DDF
RGB	212, 29, 223
RGB Percent	83%, 11%, 87%
CMY	0.1686, 0.8863, 0.1256
CMYK	0.05, 0.87, 0.00, 0.13
HSL	297°, 77%, 49%
HSV	297°, 87%, 87%
XYZ	40.9111, 20.2035, 71.5413
YIQ	105.8330, 46.7940, 99.1300

Conversions

Conversions Part 2

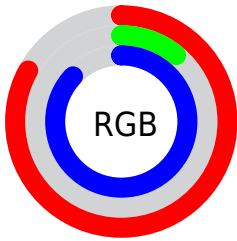
Format	Color
R _Y B	212, 29, 223
Decimal	13901279
CIE Lab	52.07, 84.13, -56.52
CIE LCh	52, 101.348, 326.107
Yxy	20.2035, 0.3084, 0.1523
Android (android.graphics.Color)	4292091359 (0xFFD41DDF)
YUV	105.8330, 57.7633, 93.1085
Hunter-Lab	44.9483, 83.8078, -62.9043

Details

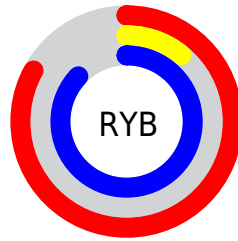
The Yxy color **20.2035, 0.3084, 0.1523** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **53.3037, 0.3027, 0.5872**, and the grayscale version is **14.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **9.4654, 0.2986, 0.1419** is the 20% darker color. If you saturate the color by 10%, you get **19.2849, 0.3070, 0.1474**, and if you desaturate by 10%, it is **21.9071, 0.3096, 0.1614**.

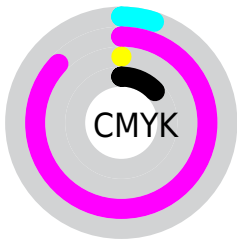
Distribution



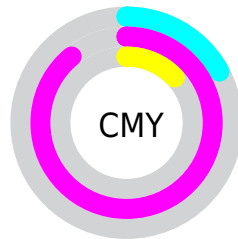
- Red (83%)
- Green (11%)
- Blue (87%)



- Red (83%)
- Yellow (11%)
- Blue (87%)



- Cyan (5%)
- Magenta (87%)
- Yellow (0%)
- Black (13%)





- Cyan (17%)
- Magenta (89%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2035, 0.3084, 0.1523 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 20.2035, 0.3084, 0.1523 by changing the saturation by 10% instead.


 20.2035, 0.3084,
0.1523


 20.2035, 0.3084,
0.1523


253.0147, 0.3161,
0.2345


 12.5431, 0.3049,
0.1345


 43.7581, 0.3124,
0.1803


 7.1147, 0.2995,
0.1133


 60.4211, 0.3136,
0.1914


 3.5339, 0.2909,
0.0884


 80.8536, 0.3144,
0.2010

 1.4164, 0.2769,
0.0598

 105.4402, 0.3150,
0.2094

 0.2288, 0.2559,
0.0181

 134.5652, 0.3154,
0.2168

 0.0000, 0.2119,
0.0000

168.6130, 0.3157,

 0.0000, 0.0753,

0.2234

0.0000

207.9680, 0.3159,
0.2293

■ 0.0000, 0.0000,
0.0000

■ 20.2035, 0.3084,
0.1523

■ 20.2035, 0.3084,
0.1523

■ 19.2849, 0.3070,
0.1474

■ 21.9071, 0.3096,
0.1614

■ 19.0839, 0.3066,
0.1463

■ 24.5462, 0.3107,
0.1748

■ 28.2393, 0.3116,
0.1923

■ 33.0869, 0.3122,
0.2132

■ 39.1778, 0.3127,
0.2366

■ 46.5921, 0.3129,
0.2614

■ 55.4031, 0.3130,
0.2868

■ 65.6789, 0.3129,
0.3119

■ 77.4829, 0.3126,
0.3361

Harmonies

Analogous

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



20.2035, 0.1700, 0.1170



20.2035, 0.3084, 0.1523



20.2035, 0.5021, 0.2173

Triad

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



20.2035, 0.3084, 0.1523



20.2035, 0.5047, 0.4953



20.2035, 0.0747, 0.2396

Complementary

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



20.2035, 0.3084, 0.1523



53.3037, 0.3027, 0.5872

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.



20.2035, 0.1230, 0.4596



20.2035, 0.3084, 0.1523



20.2035, 0.3669, 0.6331

Square

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



20.2035, 0.3084, 0.1523



20.2035, 0.6126, 0.3800



20.2035, 0.2304, 0.6682



20.2035, 0.0714, 0.1426

Rectangle

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



20.2035, 0.3084, 0.1523



20.2035, 0.6030, 0.2685



20.2035, 0.2304, 0.6682



20.2035, 0.0844, 0.2978

Sweetspot

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



20.2044, 0.3084, 0.1523



64.0425, 0.3129, 0.2635



7.2381, 0.1587, 0.0784



12.9008, 0.3129, 0.2547



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.



20.2044, 0.3084, 0.1523



25.8484, 0.3065, 0.1462



18.4248, 0.4439, 0.2302



13.8941, 0.3129, 0.3058



11.2402, 0.3069, 0.1464



0.7913, 0.3092, 0.1477

Inverse Universe

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



16.7160, 0.6062, 0.3243



21.2928, 0.6359, 0.3277



54.2194, 0.2750, 0.4992



13.7130, 0.3283, 0.3277



9.2461, 0.6338, 0.3265



0.6454, 0.6160, 0.3167

Previews

White Background



This preview shows how the Yxy color 20.2035, 0.3084, 0.1523 looks on a white background.

Color Contrast Check

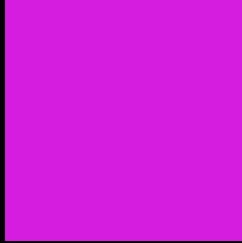
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2035, 0.3084, 0.1523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

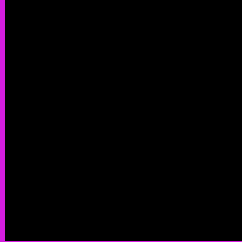
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2035, 0.3084, 0.1523

Background



This preview shows how black text looks on a background with the Yxy color 20.2035, 0.3084, 0.1523.



This preview shows how white text looks on a background with the Yxy color 20.2035, 0.3084, 0.1523.

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

20.2035, 0.3084, 0.1523

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.6987, 0.2010, 0.1956



Tritanopia

20.0457, 0.4611, 0.3205

Trichromacy



Original Color

20.2035, 0.3084, 0.1523



Protanomaly

14.8652, 0.1827, 0.1199



Deuteranomaly

16.2400, 0.2217, 0.1533



Tritanomaly

18.6740, 0.4024, 0.2394

Monochromacy



Original Color

20.2035, 0.3084, 0.1523



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.6384, 0.3123, 0.2148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2035, 0.3084, 0.1523 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(212, 29, 223)` looks like.

```
.text, #text, p{  
    color:rgb(212, 29, 223)  
}
```

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(212, 29, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 29, 223) }
```

Border

The CSS property to change the border of an element to Yxy 20.2035, 0.3084, 0.1523 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(212, 29, 223) }
```

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

```
.border{ border-color:rgb(212, 29, 223) }
```

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

Here you see how a box with a 4 pixel rgb(212, 29, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 29, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 29, 223);  
box-shadow:4px 4px 4px 4px rgb(212, 29,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2035, 0.3084, 0.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 29, 223) }
```

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

```
.background{ background-color: rgb(212, 29,  
223) }
```

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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