

Converting Colors

$Y_{xy}(19.5509, 0.3075, 0.1545)$

Have a look what the booklet for
Yxy(19.5509, 0.3075, 0.1545)
contains.

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Color

Yxy(19.5891, 0.3080, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	CF24DA
RGB	207, 36, 218
RGB Percent	81%, 14%, 85%
CMY	0.1885, 0.8581, 0.1452
CMYK	0.05, 0.83, 0.00, 0.15
HSL	296°, 72%, 50%
HSV	296°, 83%, 85%
XYZ	39.0009, 19.5891, 68.0364
YIQ	107.8770, 43.4940, 92.8540

Conversions

Conversions Part 2

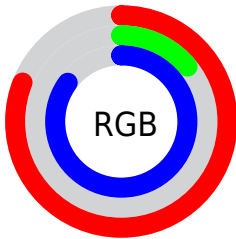
Format	Color
R _Y B	207, 36, 218
Decimal	13575386
CIE Lab	51.37, 81.16, -54.83
CIE LCh	51, 97.948, 325.959
Yxy	19.5891, 0.3080, 0.1547
Android (android.graphics.Color)	4291765466 (0xFFCF24DA)
YUV	107.8770, 54.2906, 86.9309
Hunter-Lab	44.2596, 79.8375, -60.1596

Details

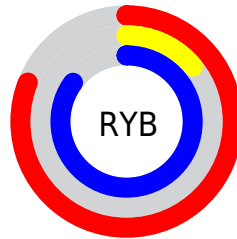
The Yxy color **19.5891, 0.3080, 0.1547** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **50.8673, 0.3035, 0.5811**, and the grayscale version is **14.8232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **8.9045, 0.2995, 0.1424** is the 20% darker color. If you saturate the color by 10%, you get **18.4515, 0.3066, 0.1482**, and if you desaturate by 10%, it is **21.5331, 0.3093, 0.1655**.

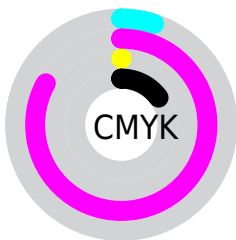
Distribution



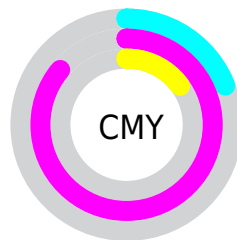
- Red (81%)
- Green (14%)
- Blue (85%)



- Red (81%)
- Yellow (14%)
- Blue (85%)



- Cyan (5%)
- Magenta (83%)
- Yellow (0%)
- Black (15%)





- Cyan (19%)
- Magenta (86%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5891, 0.3080, 0.1547 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 19.5891, 0.3080, 0.1547 by changing the saturation by 10% instead.


 19.5891, 0.3080,
0.1547


 19.5891, 0.3080,
0.1547


249.6819, 0.3157,
0.2367


 12.0967, 0.3044,
0.1367


 42.7272, 0.3121,
0.1828

 6.8096, 0.2989,
0.1152


 59.1417, 0.3132,
0.1939

 3.3433, 0.2902,
0.0898


 79.2990, 0.3140,
0.2035

 1.3135, 0.2758,
0.0603

 103.5836, 0.3146,
0.2118

 0.1516, 0.2549,
0.0134

 132.3798, 0.3151,
0.2192

 0.0000, 0.2071,
0.0000

166.0719, 0.3154,


 0.0000, 0.0120,


0.2257


0.0000


205.0445, 0.3156,
0.2315


 0.0000, 0.0000,
0.0000

 19.5891, 0.3080,
0.1547


 19.5891, 0.3080,
0.1547


 18.4515, 0.3066,
0.1482


 21.5331, 0.3093,
0.1655

 18.0021, 0.3056,
0.1457

 24.4073, 0.3104,
0.1806

 28.3171, 0.3113,
0.1995

 33.3530, 0.3120,
0.2214

 39.5957, 0.3125,
0.2455

■ 47.1185, 0.3128,
0.2706

■ 55.9889, 0.3128,
0.2960

■ 66.2695, 0.3128,
0.3208

■ 78.0191, 0.3126,
0.3445

Harmonies

Analogous

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



19.5891, 0.1720, 0.1197



19.5891, 0.3080, 0.1547



19.5891, 0.4972, 0.2191

Triad

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



19.5891, 0.3080, 0.1547



19.5891, 0.5049, 0.4951



19.5891, 0.0781, 0.2430

Complementary

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



19.5891, 0.3080, 0.1547



50.8673, 0.3035, 0.5811

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.



19.5891, 0.1272, 0.4579



19.5891, 0.3080, 0.1547



19.5891, 0.3701, 0.6288

Square

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



19.5891, 0.3080, 0.1547



19.5891, 0.6087, 0.3812



19.5891, 0.2345, 0.6597



19.5891, 0.0741, 0.1461

Rectangle

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



19.5891, 0.3080, 0.1547



19.5891, 0.5965, 0.2702



19.5891, 0.2345, 0.6597



19.5891, 0.0881, 0.3004

Sweetspot

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



19.5900, 0.3080, 0.1547



65.1238, 0.3127, 0.2660



7.5788, 0.1623, 0.0851



13.1051, 0.3126, 0.2570



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.



19.5900, 0.3080, 0.1547



25.6603, 0.3054, 0.1456



18.0449, 0.4362, 0.2300



13.2325, 0.3128, 0.3059



10.8054, 0.3058, 0.1458



0.7125, 0.3084, 0.1473

Inverse Universe

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



16.3820, 0.5925, 0.3229



21.2959, 0.6356, 0.3275



51.7444, 0.2743, 0.4914



13.0643, 0.3282, 0.3276



8.9530, 0.6332, 0.3262



0.5846, 0.6132, 0.3152

Previews

White Background



This preview shows how the Yxy color 19.5891, 0.3080, 0.1547 looks on a white background.

Color Contrast Check

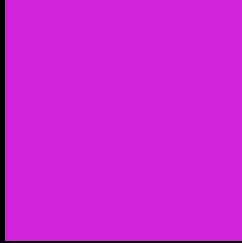
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5891, 0.3080, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

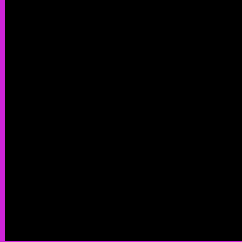
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5891, 0.3080, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 19.5891, 0.3080, 0.1547.



This preview shows how white text looks on a background with the Yxy color 19.5891, 0.3080, 0.1547.

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

19.5891, 0.3080, 0.1547

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

20.0648, 0.2028, 0.1969



Tritanopia

19.5129, 0.4564, 0.3203

Trichromacy



Original Color

19.5891, 0.3080, 0.1547



Protanomaly

14.8726, 0.1833, 0.1236



Deuteranomaly

16.1590, 0.2249, 0.1585



Tritanomaly

18.3092, 0.3999, 0.2418

Monochromacy



Original Color

19.5891, 0.3080, 0.1547



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.1020, 0.3120, 0.2215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5891, 0.3080, 0.1547 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(207, 36, 218)` looks like.

```
.text, #text, p{  
    color:rgb(207, 36, 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(207, 36, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 36, 218) }
```

Border

The CSS property to change the border of an element to Yxy 19.5891, 0.3080, 0.1547 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(207, 36, 218) }
```

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

```
.border{ border-color:rgb(207, 36, 218) }
```

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

Here you see how a box with a 4 pixel rgb(207, 36, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 36, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 36, 218);  
box-shadow:4px 4px 4px 4px rgb(207, 36,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5891, 0.3080, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 36, 218) }
```

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

```
.background{ background-color: rgb(207, 36,  
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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