

Converting Colors

$Y_{xy}(20.1443, 0.3591, 0.1943)$

Have a look what the booklet for
Yxy(20.1443, 0.3591, 0.1943)
contains.

Yxy(20.1619, 0.3593, 0.1947)	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(20.1619, 0.3593, 0.1947)

Conversions

Conversions Part 1

Format	Color
Hex	D536B6
RGB	213, 54, 182
RGB Percent	84%, 21%, 71%
CMY	0.1646, 0.7883, 0.2863
CMYK	0.00, 0.75, 0.15, 0.16
HSL	312°, 65%, 52%
HSV	312°, 75%, 84%
XYZ	37.2068, 20.1619, 46.1849
YIQ	116.1330, 53.6760, 73.5160

Conversions

Conversions Part 2

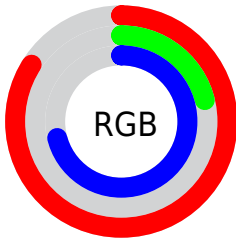
Format	Color
R _{YB}	213, 54, 182
Decimal	13973174
CIE Lab	52.02, 72.57, -33.00
CIE LCh	52, 79.722, 335.551
Yxy	20.1619, 0.3593, 0.1947
Android (android.graphics.Color)	4292163254 (0xFFD536B6)
YUV	116.1330, 32.4724, 84.9524
Hunter-Lab	44.9020, 69.3307, -29.5526

Details

The Yxy color **20.1619, 0.3593, 0.1947** 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 **49.0376, 0.2910, 0.5294**, and the grayscale version is **17.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9238, 0.3345, 0.2122**, and **8.4550, 0.3660, 0.1790** is the 20% darker color. If you saturate the color by 10%, you get **18.4270, 0.3669, 0.1878**, and if you desaturate by 10%, it is **22.7714, 0.3516, 0.2060**.

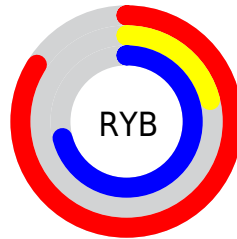
Distribution



Red (84%)

Green (21%)

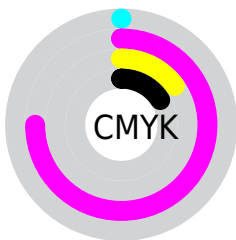
Blue (71%)



Red (84%)

Yellow (21%)

Blue (71%)

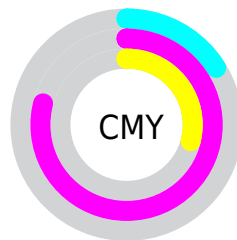


Cyan (0%)

Magenta (75%)

Yellow (15%)

Black (16%)



Cyan (16%)


Magenta (79%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1619, 0.3593, 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 20.1619, 0.3593, 0.1947 by changing the saturation by 10% instead.


 20.1619, 0.3593,
0.1947

 20.1619, 0.3593,
0.1947


252.7902, 0.3369,
0.2616

 12.5128, 0.3644,
0.1785


 43.6885, 0.3515,
0.2187


 7.0939, 0.3705,
0.1582


 60.3347, 0.3485,
0.2279


 3.5209, 0.3779,
0.1324


 80.7487, 0.3459,
0.2356

 1.4094, 0.3865,
0.0991

 105.3150, 0.3436,
0.2423

 0.2236, 0.4041,
0.0350

 134.4179, 0.3416,
0.2481

 0.0000, 0.4010,
0.0000

168.4418, 0.3399,

 0.0000, 0.0000,

0.2532

0.0000

207.7711, 0.3383,
0.2577

■ 20.1619, 0.3593,
0.1947

■ 20.1619, 0.3593,
0.1947

■ 18.4270, 0.3669,
0.1878

■ 22.7714, 0.3516,
0.2060

■ 17.4408, 0.3742,
0.1855

■ 26.3532, 0.3441,
0.2211

■ 17.1071, 0.3780,
0.1856

■ 30.9953, 0.3370,
0.2390

■ 36.7750, 0.3304,
0.2587

■ 43.7623, 0.3244,
0.2792

■ 52.0218, 0.3192,
0.2998

■ 61.6132, 0.3146,
0.3199

■ 72.5926, 0.3107,
0.3391

■ 85.0128, 0.3073,
0.3572

Harmonies

Analogous

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



20.1619, 0.2252, 0.1526



20.1619, 0.3593, 0.1947



20.1619, 0.5081, 0.2606

Triad

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



20.1619, 0.3593, 0.1947



20.1619, 0.4586, 0.5227



20.1619, 0.1019, 0.2269

Complementary

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



20.1619, 0.3593, 0.1947



49.0376, 0.2910, 0.5294

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.



20.1619, 0.1373, 0.3722



20.1619, 0.3593, 0.1947



20.1619, 0.3408, 0.6008

Square

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



20.1619, 0.3593, 0.1947



20.1619, 0.5525, 0.4221



20.1619, 0.2238, 0.5528



20.1619, 0.1057, 0.1591

Rectangle

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



20.1619, 0.3593, 0.1947



20.1619, 0.5701, 0.3106



20.1619, 0.2238, 0.5528



20.1619, 0.1086, 0.2657

Sweetspot

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



20.1629, 0.3593, 0.1947



68.5960, 0.3231, 0.2842



9.2871, 0.1878, 0.1031



13.9996, 0.3246, 0.2786



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.



20.1629, 0.3593, 0.1947



26.6417, 0.3715, 0.1858



17.7921, 0.4884, 0.2778



12.5892, 0.3167, 0.3104



10.4623, 0.3770, 0.1850



0.6419, 0.3655, 0.1787

Inverse Universe

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



20.1629, 0.3593, 0.1947



26.6417, 0.3715, 0.1858



51.0137, 0.2540, 0.4063



12.5892, 0.3167, 0.3104



10.4623, 0.3770, 0.1850



0.6419, 0.3655, 0.1787

Previews

White Background



This preview shows how the Yxy color 20.1619, 0.3593, 0.1947 looks on a white background.

Color Contrast Check

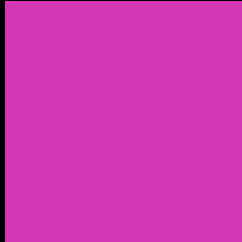
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1619, 0.3593, 0.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

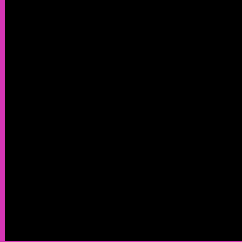
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1619, 0.3593, 0.1947

Background



This preview shows how black text looks on a background with the Yxy color 20.1619, 0.3593, 0.1947.



This preview shows how white text looks on a background with the Yxy color 20.1619, 0.3593, 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

20.1619, 0.3593, 0.1947

Protanopia

20.8063, 0.1868, 0.1608

Deuteranopia

20.3957, 0.2507, 0.2454



Tritanopia

20.0726, 0.4835, 0.3236

Trichromacy



Original Color

20.1619, 0.3593, 0.1947



Protanomaly

17.1888, 0.2181, 0.1571



Deuteranomaly

18.0730, 0.2832, 0.2111



Tritanomaly

19.5930, 0.4399, 0.2714

Monochromacy



Original Color

20.1619, 0.3593, 0.1947



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3015, 0.3317, 0.2526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1619, 0.3593, 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(213, 54, 182)` looks like.

```
.text, #text, p{  
    color:rgb(213, 54, 182)  
}
```

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, 54, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 54, 182) }
```

Border

The CSS property to change the border of an element to Yxy 20.1619, 0.3593, 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(213, 54, 182) }
```

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

```
.border{ border-color:rgb(213, 54, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 54, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 54, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 54, 182);  
box-shadow:4px 4px 4px 4px rgb(213, 54,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1619, 0.3593, 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(213, 54, 182) }
```

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

```
.background{ background-color: rgb(213, 54,  
182) }
```

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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