

Converting Colors

$Y_{xy}(19.7631, 0.3460, 0.1752)$

Have a look what the booklet for
Yxy(19.7631, 0.3460, 0.1752)
contains.

Yxy(19.8249, 0.3464, 0.1755)	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(19.8249, 0.3464, 0.1755)

Conversions

Conversions Part 1

Format	Color
Hex	D921C4
RGB	217, 33, 196
RGB Percent	85%, 13%, 77%
CMY	0.1489, 0.8709, 0.2312
CMYK	0.00, 0.85, 0.10, 0.15
HSL	307°, 74%, 49%
HSV	307°, 85%, 85%
XYZ	39.1302, 19.8249, 54.0073
YIQ	106.5980, 57.3410, 89.7010

Conversions

Conversions Part 2

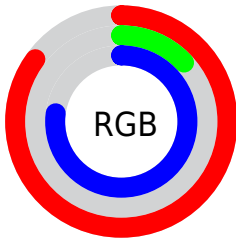
Format	Color
R _Y B	217, 33, 196
Decimal	14229956
CIE Lab	51.64, 80.41, -41.70
CIE LCh	52, 90.581, 332.591
Yxy	19.8249, 0.3464, 0.1755
Android (android.graphics.Color)	4292420036 (0xFFD921C4)
YUV	106.5980, 44.0752, 96.8226
Hunter-Lab	44.5252, 78.9526, -40.7489

Details

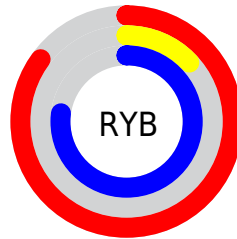
The Yxy color **19.8249, 0.3464, 0.1755** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **50.2244, 0.2962, 0.5699**, and the grayscale version is **14.4417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4550, 0.3210, 0.1928**, and **9.1211, 0.3462, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **18.8748, 0.3503, 0.1721**, and if you desaturate by 10%, it is **21.5533, 0.3422, 0.1834**.

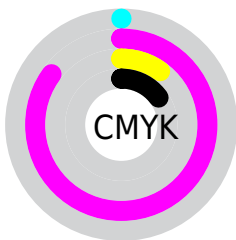
Distribution



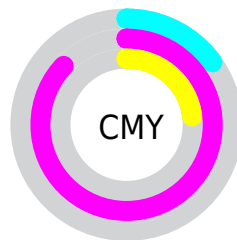
- Red (85%)
- Green (13%)
- Blue (77%)



- Red (85%)
- Yellow (13%)
- Blue (77%)



- Cyan (0%)
- Magenta (85%)
- Yellow (10%)
- Black (15%)





- Cyan (15%)
- Magenta (87%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8249, 0.3464, 0.1755 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 19.8249, 0.3464, 0.1755 by changing the saturation by 10% instead.


 19.8249, 0.3464,
0.1755


 19.8249, 0.3464,
0.1755


250.9656, 0.3323,
0.2500


 12.2678, 0.3488,
0.1582


 43.1234, 0.3421,
0.2017


 6.9264, 0.3512,
0.1371


 59.6337, 0.3402,
0.2118


 3.4161, 0.3531,
0.1110


 79.8971, 0.3385,
0.2205

 1.3526, 0.3532,
0.0791

 104.2981, 0.3370,
0.2280

 0.1814, 0.3552,
0.0221

 133.2210, 0.3357,
0.2345

 0.0000, 0.3299,
0.0000

167.0503, 0.3344,

 0.0000, 0.0423,

0.2403

0.0000

206.1704, 0.3333,
0.2454

■ 0.0000, 0.0000,
0.0000

■ 19.8249, 0.3464,
0.1755

■ 19.8249, 0.3464,
0.1755

■ 18.8748, 0.3503,
0.1721

■ 21.5533, 0.3422,
0.1834

■ 18.5730, 0.3523,
0.1714

■ 24.1865, 0.3378,
0.1956

■ 27.8311, 0.3333,
0.2116

■ 32.5785, 0.3289,
0.2307

■ 38.5096, 0.3247,
0.2518

■ 45.6980, 0.3208,
0.2741

■ 54.2111, 0.3173,
0.2966

■ 64.1115, 0.3141,
0.3186

■ 75.4580, 0.3113,
0.3398

Harmonies

Analogous

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



19.8249, 0.2031, 0.1344



19.8249, 0.3464, 0.1755



19.8249, 0.5195, 0.2429

Triad

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



19.8249, 0.3464, 0.1755



19.8249, 0.4767, 0.5233



19.8249, 0.0852, 0.2228

Complementary

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



19.8249, 0.3464, 0.1755



50.2244, 0.2962, 0.5699

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.



19.8249, 0.1237, 0.3969



19.8249, 0.3464, 0.1755



19.8249, 0.3443, 0.6275

Square

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



19.8249, 0.3464, 0.1755



19.8249, 0.5794, 0.4082



19.8249, 0.2188, 0.6062



19.8249, 0.0873, 0.1460

Rectangle

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



19.8249, 0.3464, 0.1755



19.8249, 0.5955, 0.2940



19.8249, 0.2188, 0.6062



19.8249, 0.0925, 0.2682

Sweetspot

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



19.8259, 0.3464, 0.1755



65.3914, 0.3209, 0.2732



6.8075, 0.1652, 0.0778



13.1705, 0.3223, 0.2652



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.



19.8259, 0.3464, 0.1755



26.7469, 0.3526, 0.1716



16.8914, 0.4963, 0.2637



13.2479, 0.3155, 0.3085



11.2507, 0.3518, 0.1711



0.7363, 0.3461, 0.1680

Inverse Universe

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



19.8259, 0.3464, 0.1755



26.7469, 0.3526, 0.1716



51.9537, 0.2602, 0.4442



13.2479, 0.3155, 0.3085



11.2507, 0.3518, 0.1711



0.7363, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 19.8249, 0.3464, 0.1755 looks on a white background.

Color Contrast Check

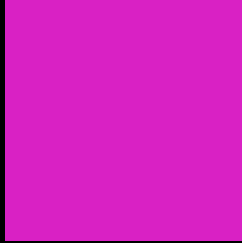
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8249, 0.3464, 0.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

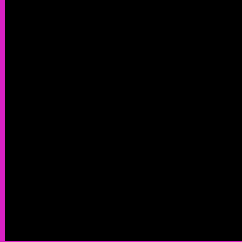
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8249, 0.3464, 0.1755

Background



This preview shows how black text looks on a background with the Yxy color 19.8249, 0.3464, 0.1755.



This preview shows how white text looks on a background with the Yxy color 19.8249, 0.3464, 0.1755.

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

19.8249, 0.3464, 0.1755

Protanopia

20.3494, 0.1734, 0.1441

Deuteranopia

20.1555, 0.2308, 0.2252



Tritanopia

19.6948, 0.4934, 0.3226

Trichromacy



Original Color

19.8249, 0.3464, 0.1755



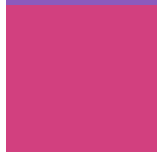
Protanomaly

14.5249, 0.1867, 0.1266



Deuteranomaly

16.5619, 0.2619, 0.1834



Tritanomaly

18.9007, 0.4406, 0.2583

Monochromacy



Original Color

19.8249, 0.3464, 0.1755



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.8044, 0.3292, 0.2323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8249, 0.3464, 0.1755 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(217, 33, 196)` looks like.

```
.text, #text, p{  
    color:rgb(217, 33, 196)  
}
```

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(217, 33, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 33, 196) }
```

Border

The CSS property to change the border of an element to Yxy 19.8249, 0.3464, 0.1755 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(217, 33, 196) }
```

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

```
.border{ border-color:rgb(217, 33, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 33, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 33, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 33, 196);  
box-shadow:4px 4px 4px 4px rgb(217, 33,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8249, 0.3464, 0.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 33, 196) }
```

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

```
.background{ background-color: rgb(217, 33,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor