

Converting Colors

$Y_{xy}(19.1791, 0.3496, 0.1835)$

Have a look what the booklet for
Yxy(19.1791, 0.3496, 0.1835)
contains.

Yxy(19.1663, 0.3493, 0.1835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.1663, 0.3493, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	D22DBB
RGB	210, 45, 187
RGB Percent	82%, 18%, 73%
CMY	0.1765, 0.8234, 0.2666
CMYK	0.00, 0.79, 0.11, 0.18
HSL	308°, 65%, 50%
HSV	308°, 79%, 82%
XYZ	36.4839, 19.1663, 48.7983
YIQ	110.5230, 52.7580, 79.1420

Conversions

Conversions Part 2

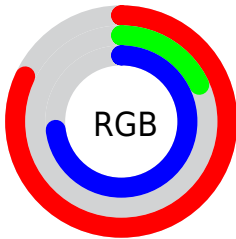
Format	Color
R_{YB}	210, 45, 187
Decimal	13774267
CIE _{Lab}	50.88, 75.10, -37.74
CIE _{LCh}	51, 84.047, 333.317
Yxy	19.1663, 0.3493, 0.1835
Android (android.graphics.Color)	4291964347 (0xFFD22DBB)
YUV	110.5230, 37.7032, 87.2413
Hunter-Lab	43.7793, 72.1406, -35.4417

Details

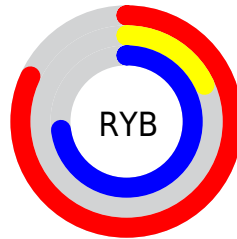
The Yxy color **19.1663, 0.3493, 0.1835** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **47.0610, 0.2945, 0.5507**, and the grayscale version is **15.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9435, 0.3291, 0.2030**, and **8.2728, 0.3529, 0.1718** is the 20% darker color. If you saturate the color by 10%, you get **17.8185, 0.3544, 0.1776**, and if you desaturate by 10%, it is **21.3147, 0.3440, 0.1939**.

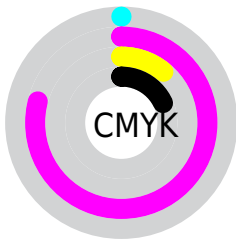
Distribution



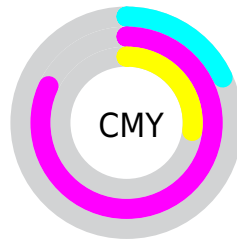
- Red (82%)
- Green (18%)
- Blue (73%)



- Red (82%)
- Yellow (18%)
- Blue (73%)



- Cyan (0%)
- Magenta (79%)
- Yellow (11%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1663, 0.3493, 0.1835 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 19.1663, 0.3493, 0.1835 by changing the saturation by 10% instead.


 19.1663, 0.3493,
0.1835


 19.1663, 0.3493,
0.1835


247.3653, 0.3330,
0.2554


 11.7905, 0.3525,
0.1664


 42.0149, 0.3440,
0.2092

 6.6012, 0.3560,
0.1451


 58.2565, 0.3418,
0.2190


 3.2140, 0.3595,
0.1185


 78.2222, 0.3399,
0.2273

 1.2444, 0.3619,
0.0850

 102.2963, 0.3382,
0.2345

 0.0976, 0.3712,
0.0147

 130.8633, 0.3366,
0.2408

 0.0000, 0.3448,
0.0000

164.3075, 0.3353,

 0.0000, 0.0000,

0.2463

0.0000

203.0134, 0.3341,
0.2511

■ 19.1663, 0.3493,
0.1835

■ 19.1663, 0.3493,
0.1835

■ 17.8185, 0.3544,
0.1776

■ 21.3147, 0.3440,
0.1939

■ 17.1082, 0.3592,
0.1758

■ 24.3651, 0.3386,
0.2083

■ 17.0248, 0.3599,
0.1756

■ 28.4068, 0.3333,
0.2261

■ 33.5177, 0.3282,
0.2461

■ 39.7679, 0.3236,
0.2675

■ 47.2216, 0.3193,
0.2894

■ 55.9381, 0.3156,
0.3111

■ 65.9729, 0.3123,
0.3320

■ 77.3781, 0.3094,
0.3518

Harmonies

Analogous

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



19.1663, 0.2114, 0.1424



19.1663, 0.3493, 0.1835



19.1663, 0.5111, 0.2499

Triad

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



19.1663, 0.3493, 0.1835



19.1663, 0.4711, 0.5216



19.1663, 0.0934, 0.2272

Complementary

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



19.1663, 0.3493, 0.1835



47.0610, 0.2945, 0.5507

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.



19.1663, 0.1317, 0.3889



19.1663, 0.3493, 0.1835



19.1663, 0.3458, 0.6142

Square

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



19.1663, 0.3493, 0.1835



19.1663, 0.5679, 0.4131



19.1663, 0.2240, 0.5828



19.1663, 0.0956, 0.1532

Rectangle

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



19.1663, 0.3493, 0.1835



19.1663, 0.5818, 0.3004



19.1663, 0.2240, 0.5828



19.1663, 0.1008, 0.2701

Sweetspot

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



19.1672, 0.3493, 0.1835



66.4378, 0.3217, 0.2769



7.7262, 0.1766, 0.0917



13.3656, 0.3233, 0.2690



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.



19.1672, 0.3493, 0.1835



26.8639, 0.3575, 0.1761



16.6093, 0.4867, 0.2687



11.9796, 0.3159, 0.3092



10.3980, 0.3592, 0.1753



0.5894, 0.3512, 0.1708

Inverse Universe

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



19.1672, 0.3493, 0.1835



26.8639, 0.3575, 0.1761



48.8296, 0.2575, 0.4249



11.9796, 0.3159, 0.3092



10.3980, 0.3592, 0.1753



0.5894, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 19.1663, 0.3493, 0.1835 looks on a white background.

Color Contrast Check

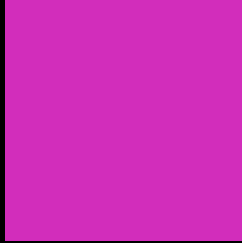
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1663, 0.3493, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

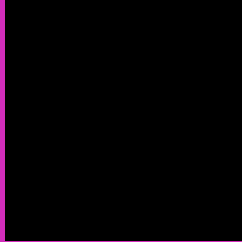
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1663, 0.3493, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 19.1663, 0.3493, 0.1835.



This preview shows how white text looks on a background with the Yxy color 19.1663, 0.3493, 0.1835.

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

19.1663, 0.3493, 0.1835

Protanopia

19.6763, 0.1739, 0.1443

Deuteranopia

19.5584, 0.2387, 0.2331



Tritanopia

19.0185, 0.4846, 0.3223

Trichromacy



Original Color

19.1663, 0.3493, 0.1835



Protanomaly

14.7776, 0.1906, 0.1341



Deuteranomaly

16.7403, 0.2697, 0.1957



Tritanomaly

18.5488, 0.4366, 0.2640

Monochromacy



Original Color

19.1663, 0.3493, 0.1835



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8835, 0.3283, 0.2431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1663, 0.3493, 0.1835 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(210, 45, 187)` looks like.

```
.text, #text, p{  
    color:rgb(210, 45, 187)  
}
```

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(210, 45, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 45, 187) }
```

Border

The CSS property to change the border of an element to Yxy 19.1663, 0.3493, 0.1835 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(210, 45, 187) }
```

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

```
.border{ border-color:rgb(210, 45, 187) }
```

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

Here you see how a box with a 4 pixel rgb(210, 45, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 45, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 45, 187);  
box-shadow:4px 4px 4px 4px rgb(210, 45,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1663, 0.3493, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 45, 187) }
```

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

```
.background{ background-color: rgb(210, 45,  
187) }
```

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