

Converting Colors

$Y_{xy}(19.2222, 0.3450, 0.2240)$

Have a look what the booklet for
Yxy(19.2222, 0.3450, 0.2240)
contains.

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Color

Yxy(19.1753, 0.3455, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	B854A3
RGB	184, 84, 163
RGB Percent	72%, 33%, 64%
CMY	0.2784, 0.6706, 0.3607
CMYK	0.00, 0.54, 0.11, 0.28
HSL	313°, 41%, 53%
HSV	313°, 54%, 72%
XYZ	29.5498, 19.1753, 36.8025
YIQ	122.9060, 34.2410, 45.7690

Conversions

Conversions Part 2

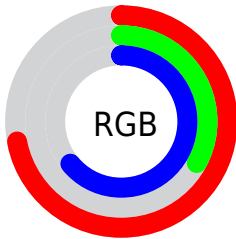
Format	Color
R_YB	184, 84, 163
Decimal	12080291
CIE _{Lab}	50.89, 50.39, -23.99
CIE _{LCh}	51, 55.812, 334.547
Yxy	19.1753, 0.3455, 0.2242
Android (android.graphics.Color)	4290270371 (0xFFB854A3)
YUV	122.9060, 19.7663, 53.5794
Hunter-Lab	43.7896, 43.8223, -19.1770

Details

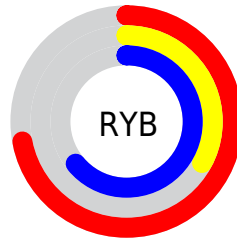
The Yxy color $19.1753, 0.3455, 0.2242$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $37.1861, 0.2924, 0.4658$, and the grayscale version is $19.7004, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.1162, 0.3396, 0.2451$, and $6.5674, 0.3541, 0.1908$ is the 20% darker color. If you saturate the color by 10%, you get $16.5491, 0.3535, 0.2092$, and if you desaturate by 10%, it is $22.5577, 0.3380, 0.2418$.

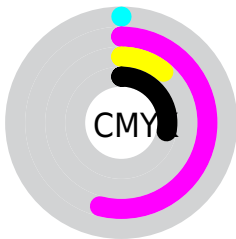
Distribution



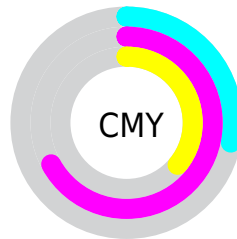
- Red (72%)
- Green (33%)
- Blue (64%)



- Red (72%)
- Yellow (33%)
- Blue (64%)



- Cyan (0%)
- Magenta (54%)
- Yellow (11%)
- Black (28%)





- Cyan (28%)
- Magenta (67%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1753, 0.3455, 0.2242 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 19.1753, 0.3455, 0.2242 by changing the saturation by 10% instead.


 19.1753, 0.3455,
0.2242

 19.1753, 0.3455,
0.2242


247.4148, 0.3290,
0.2790


 11.7970, 0.3495,
0.2099


 42.0301, 0.3395,
0.2446


 6.6056, 0.3546,
0.1913


 58.2754, 0.3373,
0.2521

 3.2167, 0.3609,
0.1663


 78.2452, 0.3354,
0.2584

 1.2459, 0.3688,
0.1314

 102.3238, 0.3337,
0.2638

 0.0987, 0.3995,
0.0277

 130.8957, 0.3323,
0.2684

 0.0000, 0.3195,
0.0000

164.3452, 0.3311,

 0.0000, 0.0000,

0.2724

0.0000

203.0568, 0.3300,
0.2759

■ 19.1753, 0.3455,
0.2242

■ 19.1753, 0.3455,
0.2242

■ 16.5491, 0.3535,
0.2092

■ 22.5577, 0.3380,
0.2418

■ 14.6161, 0.3617,
0.1978

■ 26.7472, 0.3310,
0.2611

■ 13.3081, 0.3699,
0.1907

■ 31.7934, 0.3248,
0.2812

■ 12.5410, 0.3779,
0.1881

■ 37.7412, 0.3193,
0.3012

■ 12.2470, 0.3823,
0.1880

■ 44.6323, 0.3146,
0.3208

■ 52.5059, 0.3105,
0.3394

■ 61.3987, 0.3070,
0.3569

■ 71.3460, 0.3041,
0.3732

■ 82.3808, 0.3016,
0.3882

Harmonies

Analogous

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



19.1753, 0.2461, 0.1895



19.1753, 0.3455, 0.2242



19.1753, 0.4505, 0.2792

Triad

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



19.1753, 0.3455, 0.2242



19.1753, 0.4408, 0.4858



19.1753, 0.1478, 0.2619

Complementary

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



19.1753, 0.3455, 0.2242



37.1861, 0.2924, 0.4658

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.



19.1753, 0.1838, 0.3678



19.1753, 0.3455, 0.2242



19.1753, 0.3516, 0.5243

Square

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



19.1753, 0.3455, 0.2242



19.1753, 0.5028, 0.4163



19.1753, 0.2574, 0.4819



19.1753, 0.1476, 0.2015

Rectangle

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



19.1753, 0.3455, 0.2242



19.1753, 0.4985, 0.3224



19.1753, 0.2574, 0.4819



19.1753, 0.1555, 0.2926

Sweetspot

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



19.1762, 0.3455, 0.2242



66.2150, 0.3203, 0.2974



12.7445, 0.2272, 0.1652



13.7857, 0.3214, 0.2933



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.1762, 0.3455, 0.2242



29.3025, 0.3549, 0.2069



17.7461, 0.4210, 0.2876



9.1296, 0.3169, 0.3111



8.4509, 0.3814, 0.1875



0.3061, 0.3630, 0.1773

Inverse Universe

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



19.1762, 0.3455, 0.2242



29.3025, 0.3549, 0.2069



38.4997, 0.2618, 0.3785



9.1296, 0.3169, 0.3111



8.4509, 0.3814, 0.1875



0.3061, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 19.1753, 0.3455, 0.2242 looks on a white background.

Color Contrast Check

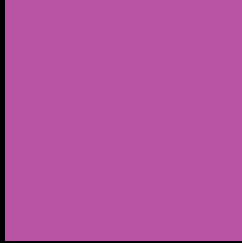
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1753, 0.3455, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

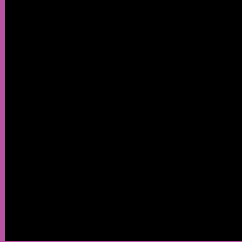
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1753, 0.3455, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 19.1753, 0.3455, 0.2242.



This preview shows how white text looks on a background with the Yxy color 19.1753, 0.3455, 0.2242.

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

19.1753, 0.3455, 0.2242

Protanopia

19.3881, 0.2251, 0.2106

Deuteranopia

19.5121, 0.2685, 0.2637



Tritanopia

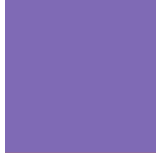
19.2203, 0.4196, 0.3191

Trichromacy



Original Color

19.1753, 0.3455, 0.2242



Protanomaly

18.1563, 0.2573, 0.2100



Deuteranomaly

18.5940, 0.2933, 0.2442



Tritanomaly

19.0384, 0.3923, 0.2818

Monochromacy



Original Color

19.1753, 0.3455, 0.2242



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.7920, 0.3241, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1753, 0.3455, 0.2242 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(184, 84, 163)` looks like.

```
.text, #text, p{  
    color:rgb(184, 84, 163)  
}
```

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(184, 84, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 84, 163) }
```

Border

The CSS property to change the border of an element to Yxy 19.1753, 0.3455, 0.2242 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(184, 84, 163) }
```

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

```
.border{ border-color:rgb(184, 84, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 84, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 84, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 84, 163);  
box-shadow:4px 4px 4px 4px rgb(184, 84,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1753, 0.3455, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 84, 163) }
```

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

```
.background{ background-color: rgb(184, 84,  
163) }
```

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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