

Converting Colors

$Y_{xy}(17.8921, 0.3252, 0.1964)$

Have a look what the booklet for
Yxy(17.8921, 0.3252, 0.1964)
contains.

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Color

Yxy(17.8845, 0.3255, 0.1966)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B649B1 |
| RGB | 182, 73, 177 |
| RGB Percent | 71%, 29%, 69% |
| CMY | 0.2862, 0.7137, 0.3060 |
| CMYK | 0.00, 0.60, 0.03, 0.29 |
| HSL | 303°, 43%, 50% |
| HSV | 303°, 60%, 71% |
| XYZ | 29.6104, 17.8845, 43.4741 |
| YIQ | 117.4470, 31.5800, 55.4520 |

Conversions

Conversions Part 2

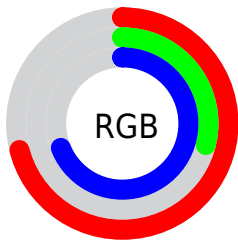
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 182, 73, 177 |
| Decimal | 11946417 |
| CIE _{Lab} | 49.36, 57.25, -34.59 |
| CIE _{LCh} | 49, 66.885, 328.859 |
| Yxy | 17.8845, 0.3255, 0.1966 |
| Android (android.graphics.Color) | 4290136497 (0xFFB649B1) |
| YUV | 117.4470, 29.3596, 56.6130 |
| Hunter-Lab | 42.2901, 50.9734, -31.3469 |

Details

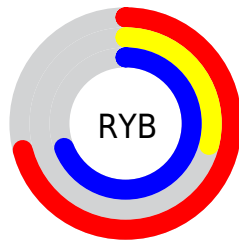
The Yxy color **17.8845, 0.3255, 0.1966** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **35.4293, 0.3012, 0.5117**, and the grayscale version is **17.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8468, 0.3244, 0.2215**, and **5.9777, 0.3247, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **15.8001, 0.3276, 0.1816**, and if you desaturate by 10%, it is **20.6705, 0.3233, 0.2151**.

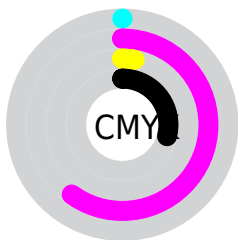
Distribution



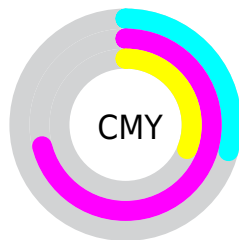
- Red (71%)
- Green (29%)
- Blue (69%)



- Red (71%)
- Yellow (29%)
- Blue (69%)



- Cyan (0%)
- Magenta (60%)
- Yellow (3%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8845, 0.3255, 0.1966 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 17.8845, 0.3255, 0.1966 by changing the saturation by 10% instead.


 17.8845, 0.3255,
0.1966

 17.8845, 0.3255,
0.1966


240.2192, 0.3213,
0.2643


 10.8671, 0.3256,
0.1797


 39.8404, 0.3247,
0.2213


 5.9775, 0.3249,
0.1582


 55.5477, 0.3241,
0.2306


 2.8314, 0.3227,
0.1304


 74.9204, 0.3236,
0.2384

 1.0444, 0.3166,
0.0942

 98.3430, 0.3231,
0.2451

 0.0000, 0.3157,
0.0000

 126.1997, 0.3226,
0.2509

 0.0000, 0.1950,
0.0000

158.8751, 0.3221,

 0.0000, 0.0000,

0.2560

0.0000

196.7535, 0.3217,
0.2604

■ 17.8845, 0.3255,
0.1966

■ 17.8845, 0.3255,
0.1966

■ 15.8001, 0.3276,
0.1816

■ 20.6705, 0.3233,
0.2151

■ 14.3518, 0.3296,
0.1707

■ 24.2111, 0.3210,
0.2361

■ 13.4662, 0.3313,
0.1640

■ 28.5571, 0.3187,
0.2589

■ 12.9920, 0.3328,
0.1607

■ 33.7539, 0.3166,
0.2826

■ 12.9875, 0.3328,
0.1607

■ 39.8440, 0.3146,
0.3062

■ 46.8666, 0.3127,
0.3292

■ 54.8589, 0.3110,
0.3512

■ 63.8558, 0.3095,
0.3719

■ 73.8908, 0.3082,
0.3910

Harmonies

Analogous

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



17.8845, 0.2144, 0.1629



17.8845, 0.3255, 0.1966



17.8845, 0.4584, 0.2545

Triad

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



17.8845, 0.3255, 0.1966



17.8845, 0.4732, 0.4909



17.8845, 0.1246, 0.2638

Complementary

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



17.8845, 0.3255, 0.1966



35.4293, 0.3012, 0.5117

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.



17.8845, 0.1705, 0.4045



17.8845, 0.3255, 0.1966



17.8845, 0.3706, 0.5617

Square

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



17.8845, 0.3255, 0.1966



17.8845, 0.5436, 0.4040



17.8845, 0.2608, 0.5425



17.8845, 0.1193, 0.1860

Rectangle

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



17.8845, 0.3255, 0.1966



17.8845, 0.5258, 0.3012



17.8845, 0.2608, 0.5425



17.8845, 0.1348, 0.3043

Sweetspot

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



17.8853, 0.3255, 0.1966



62.8288, 0.3162, 0.2863



9.7055, 0.2009, 0.1407



13.2192, 0.3169, 0.2794



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.



17.8853, 0.3255, 0.1966



27.6455, 0.3283, 0.1775



16.1639, 0.4063, 0.2595



9.1554, 0.3144, 0.3075



9.1727, 0.3327, 0.1606



0.3256, 0.3294, 0.1588

Inverse Universe

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



17.8853, 0.3255, 0.1966



27.6455, 0.3283, 0.1775



36.5212, 0.2697, 0.4177



9.1554, 0.3144, 0.3075



9.1727, 0.3327, 0.1606



0.3256, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 17.8845, 0.3255, 0.1966 looks on a white background.

Color Contrast Check

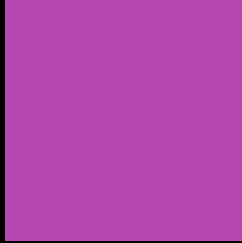
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.8845, 0.3255, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

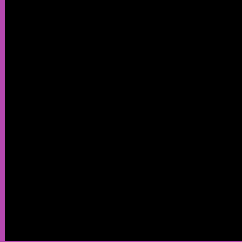
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8845, 0.3255, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 17.8845, 0.3255, 0.1966.



This preview shows how white text looks on a background with the Yxy color 17.8845, 0.3255, 0.1966.

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

17.8845, 0.3255, 0.1966

Protanopia

18.3817, 0.1970, 0.1748

Deuteranopia

18.2215, 0.2409, 0.2353



Tritanopia

17.8292, 0.4217, 0.3188

Trichromacy



Original Color

17.8845, 0.3255, 0.1966



Protanomaly

16.6464, 0.2254, 0.1743



Deuteranomaly

16.9916, 0.2658, 0.2126



Tritanomaly

17.4707, 0.3848, 0.2668

Monochromacy



Original Color

17.8845, 0.3255, 0.1966



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.8342, 0.3185, 0.2641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8845, 0.3255, 0.1966 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(182, 73, 177)` looks like.

```
.text, #text, p{  
    color:rgb(182, 73, 177)  
}
```

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(182, 73, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 73, 177) }
```

Border

The CSS property to change the border of an element to Yxy 17.8845, 0.3255, 0.1966 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(182, 73, 177) }
```

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

```
.border{ border-color:rgb(182, 73, 177) }
```

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

Here you see how a box with a 4 pixel rgb(182, 73, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 73, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 73, 177);  
box-shadow:4px 4px 4px 4px rgb(182, 73,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8845, 0.3255, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 73, 177) }
```

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

```
.background{ background-color: rgb(182, 73,  
177) }
```

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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