

Converting Colors

$Y_{xy}(21.6437, 0.2914, 0.1793)$

Have a look what the booklet for
Yxy(21.6437, 0.2914, 0.1793)
contains.

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Color

Yxy(21.6393, 0.2918, 0.1791)

Conversions

Conversions Part 1

Format	Color
Hex	BA55D3
RGB	186, 85, 211
RGB Percent	73%, 33%, 83%
CMY	0.2705, 0.6667, 0.1727
CMYK	0.12, 0.60, 0.00, 0.17
HSL	288°, 59%, 58%
HSV	288°, 60%, 83%
XYZ	35.2560, 21.6393, 63.9272
YIQ	129.5630, 19.7500, 60.5980

Conversions

Conversions Part 2

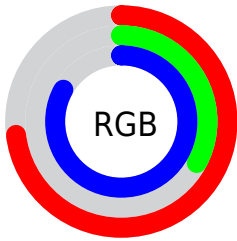
Format	Color
RYB	186, 85, 211
Decimal	12211667
CIELab	53.64, 59.07, -47.40
CIElCh	54, 75.737, 321.257
Yxy	21.6393, 0.2918, 0.1791
Android (android.graphics.Color)	4290401747 (0xFFBA55D3)
YUV	129.5630, 40.1484, 49.4952
Hunter-Lab	46.5181, 53.8784, -48.9163

Details

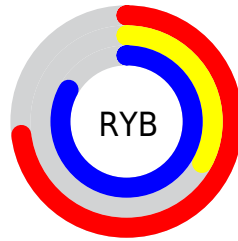
The Yxy color **21.6393, 0.2918, 0.1791** is a light color, and the websafe version is hex **CC66CC**, and the color name is **mediumorchid**. The color can be described as light muted purple. A complement of this color would be **50.5420, 0.3180, 0.5126**, and the grayscale version is **22.0127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3886, 0.3093, 0.2157**, and **7.8849, 0.2801, 0.1418** is the 20% darker color. If you saturate the color by 10%, you get **18.2831, 0.2867, 0.1596**, and if you desaturate by 10%, it is **26.0026, 0.2966, 0.2019**.

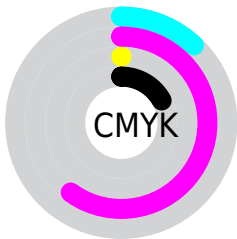
Distribution



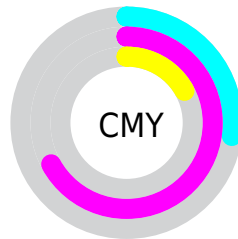
- Red (73%)
- Green (33%)
- Blue (83%)



- Red (73%)
- Yellow (33%)
- Blue (83%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)





- Cyan (27%)
- Magenta (67%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6393, 0.2918, 0.1791 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 21.6393, 0.2918, 0.1791 by changing the saturation by 10% instead.


 21.6393, 0.2918,
0.1791


 21.6393, 0.2918,
0.1791


260.6568, 0.3065,
0.2518


 13.5921, 0.2868,
0.1623


 46.1491, 0.2981,
0.2047


 7.8375, 0.2798,
0.1417


 63.3805, 0.3002,
0.2146

 3.9912, 0.2692,
0.1162


 84.4421, 0.3018,
0.2230

 1.6686, 0.2526,
0.0850

 109.7183, 0.3031,
0.2304

 0.4032, 0.2266,
0.0405

139.5935, 0.3042,
0.2368

 0.0000, 0.1779,
0.0000

174.4520, 0.3051,

 0.0000, 0.0000,

0.2424

0.0000

214.6783, 0.3058,
0.2474

■ 21.6393, 0.2918,
0.1791

■ 21.6393, 0.2918,
0.1791

■ 18.2831, 0.2867,
0.1596

■ 26.0026, 0.2966,
0.2019

■ 15.8402, 0.2814,
0.1443

■ 31.4501, 0.3009,
0.2268

■ 14.2036, 0.2761,
0.1335

■ 38.0547, 0.3047,
0.2530

■ 13.1834, 0.2709,
0.1267

■ 45.8820, 0.3079,
0.2793

■ 13.1566, 0.2708,
0.1265

■ 54.9927, 0.3106,
0.3051

■ 65.4433, 0.3128,
0.3297

■ 77.2872, 0.3145,
0.3528

■ 90.5745, 0.3159,
0.3741

■ 92.0099, 0.3184,
0.3749

Harmonies

Analogous

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



21.6393, 0.1874, 0.1516



21.6393, 0.2918, 0.1791



21.6393, 0.4324, 0.2333

Triad

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



21.6393, 0.2918, 0.1791



21.6393, 0.5014, 0.4712



21.6393, 0.1235, 0.2903

Complementary

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



21.6393, 0.2918, 0.1791



50.5420, 0.3180, 0.5126

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.



21.6393, 0.1822, 0.4532



21.6393, 0.2918, 0.1791



21.6393, 0.3984, 0.5590

Square

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



21.6393, 0.2918, 0.1791



21.6393, 0.5635, 0.3819



21.6393, 0.2840, 0.5767



21.6393, 0.1095, 0.1929

Rectangle

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



21.6393, 0.2918, 0.1791



21.6393, 0.5155, 0.2794



21.6393, 0.2840, 0.5767



21.6393, 0.1374, 0.3392

Sweetspot

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



21.6402, 0.2918, 0.1791



72.4462, 0.3083, 0.2833



17.8271, 0.2051, 0.1733



14.6880, 0.3075, 0.2756



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.



21.6402, 0.2918, 0.1791



26.7804, 0.2851, 0.1545



23.3659, 0.3650, 0.2265



11.8859, 0.3107, 0.3059



7.9861, 0.2716, 0.1270



0.4774, 0.2811, 0.1322

Inverse Universe

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



21.4666, 0.4602, 0.3001



26.8953, 0.5136, 0.2989



49.9303, 0.2853, 0.4657



11.8460, 0.3260, 0.3244



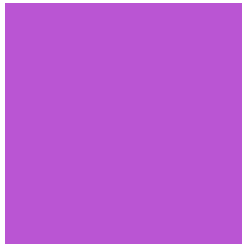
8.4695, 0.6065, 0.3115



0.4850, 0.5556, 0.2834

Previews

White Background



This preview shows how the Yxy color 21.6393, 0.2918, 0.1791 looks on a white background.

Color Contrast Check

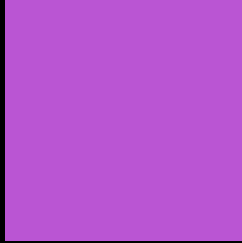
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6393, 0.2918, 0.1791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

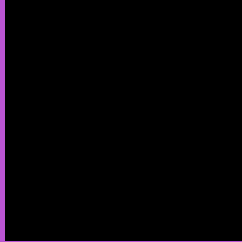
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6393, 0.2918, 0.1791

Background



This preview shows how black text looks on a background with the Yxy color 21.6393, 0.2918, 0.1791.



This preview shows how white text looks on a background with the Yxy color 21.6393, 0.2918, 0.1791.

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

21.6393, 0.2918, 0.1791

Protanopia

22.0671, 0.1843, 0.1571

Deuteranopia

22.0385, 0.2166, 0.2116



Tritanopia

21.5850, 0.3856, 0.3171

Trichromacy



Original Color

21.6393, 0.2918, 0.1791



Protanomaly

20.0336, 0.2056, 0.1574



Deuteranomaly

20.4774, 0.2363, 0.1919



Tritanomaly

21.2347, 0.3497, 0.2580

Monochromacy



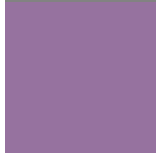
Original Color

21.6393, 0.2918, 0.1791



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0219, 0.3052, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6393, 0.2918, 0.1791 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(186, 85, 211)` looks like.

```
.text, #text, p{  
    color:rgb(186, 85, 211)  
}
```

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(186, 85, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 85, 211) }
```

Border

The CSS property to change the border of an element to Yxy 21.6393, 0.2918, 0.1791 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(186, 85, 211) }
```

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

```
.border{ border-color:rgb(186, 85, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 85, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 85, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 85, 211);  
box-shadow:4px 4px 4px 4px rgb(186, 85,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6393, 0.2918, 0.1791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 85, 211) }
```

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

```
.background{ background-color: rgb(186, 85,  
211) }
```

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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