

Converting Colors

$Y_{xy}(21.1807, 0.2605, 0.1593)$

Have a look what the booklet for
Yxy(21.1807, 0.2605, 0.1593)
contains.

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Color

Yxy(21.1394, 0.2606, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	AC56E6
RGB	172, 86, 230
RGB Percent	67%, 34%, 90%
CMY	0.3254, 0.6628, 0.0981
CMYK	0.25, 0.63, 0.00, 0.10
HSL	276°, 74%, 62%
HSV	276°, 63%, 90%
XYZ	34.6256, 21.1394, 77.1037
YIQ	128.1300, 5.0320, 63.0160

Conversions

Conversions Part 2

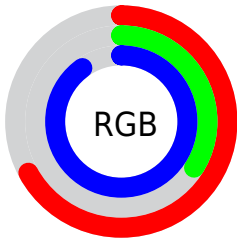
Format	Color
R_{YB}	172, 86, 230
Decimal	11294438
CIE _{Lab}	53.10, 59.25, -59.13
CIE _{LCh}	53, 83.702, 315.059
Yxy	21.1394, 0.2606, 0.1591
Android (android.graphics.Color)	4289484518 (0xFFAC56E6)
YUV	128.1300, 50.2219, 38.4740
Hunter-Lab	45.9776, 53.9669, -67.2440

Details

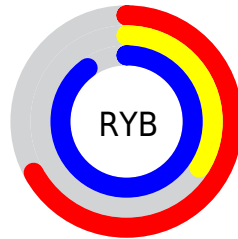
The Yxy color **21.1394, 0.2606, 0.1591** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **63.1793, 0.3359, 0.5118**, and the grayscale version is **21.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9651, 0.2974, 0.2116**, and **7.5796, 0.2388, 0.1195** is the 20% darker color. If you saturate the color by 10%, you get **17.0288, 0.2496, 0.1366**, and if you desaturate by 10%, it is **26.5055, 0.2713, 0.1850**.

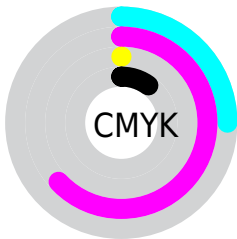
Distribution



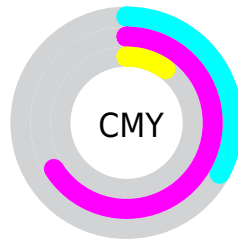
- Red (67%)
- Green (34%)
- Blue (90%)



- Red (67%)
- Yellow (34%)
- Blue (90%)



- Cyan (25%)
- Magenta (63%)
- Yellow (0%)
- Black (10%)




- Cyan (33%)
- Magenta (66%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1394, 0.2606, 0.1591 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 21.1394, 0.2606, 0.1591 by changing the saturation by 10% instead.


 21.1394, 0.2606,
0.1591


 21.1394, 0.2606,
0.1591


258.0184, 0.2920,
0.2396


 13.2259, 0.2515,
0.1413


 45.3194, 0.2730,
0.1868

 7.5843, 0.2393,
0.1201


 62.3548, 0.2774,
0.1977

 3.8301, 0.2225,
0.0948


 83.1995, 0.2810,
0.2071

 1.5790, 0.1984,
0.0654

 108.2381, 0.2840,
0.2153

 0.3434, 0.1645,
0.0262

137.8549, 0.2864,
0.2225

 0.0000, 0.1122,
0.0000

172.4343, 0.2886,

 0.0000, 0.0000,

0.2288

0.0000

212.3606, 0.2904,
0.2345

■ 21.1394, 0.2606,
0.1591

■ 21.1394, 0.2606,
0.1591

■ 17.0288, 0.2496,
0.1366

■ 26.5055, 0.2713,
0.1850

■ 14.0518, 0.2388,
0.1187

■ 33.2285, 0.2813,
0.2129


■ 12.0654, 0.2285,
0.1059


■ 41.4019, 0.2904,
0.2416


■ 11.0655, 0.2214,
0.0993


■ 51.1101, 0.2984,
0.2699

■ 62.4309, 0.3054,
0.2971

 75.4366, 0.3113,
0.3227

 90.1952, 0.3163,
0.3462

 96.8393, 0.3217,
0.3537

 98.4921, 0.3274,
0.3532

Harmonies

Analogous

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



21.1394, 0.1604, 0.1366



21.1394, 0.2606, 0.1591



21.1394, 0.4115, 0.2106

Triad

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



21.1394, 0.2606, 0.1591



21.1394, 0.5310, 0.4530



21.1394, 0.1161, 0.3156

Complementary

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



21.1394, 0.2606, 0.1591



63.1793, 0.3359, 0.5118

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.



21.1394, 0.1870, 0.5088



21.1394, 0.2606, 0.1591



21.1394, 0.4224, 0.5579

Square

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



21.1394, 0.2606, 0.1591



21.1394, 0.5897, 0.3604



21.1394, 0.3002, 0.6143



21.1394, 0.0951, 0.1944

Rectangle

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



21.1394, 0.2606, 0.1591



21.1394, 0.5121, 0.2570



21.1394, 0.3002, 0.6143



21.1394, 0.1335, 0.3761

Sweetspot

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



21.1402, 0.2606, 0.1591



69.3751, 0.3010, 0.2796



28.2443, 0.2096, 0.2085



14.0058, 0.2989, 0.2717



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.



21.1402, 0.2606, 0.1591



20.3263, 0.2466, 0.1311



28.5353, 0.3320, 0.1949



14.3108, 0.3074, 0.3054



6.3389, 0.2228, 0.1001



0.5222, 0.2369, 0.1079

Inverse Universe

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



25.4863, 0.4287, 0.2666



26.8136, 0.4672, 0.2618



59.4427, 0.2986, 0.5169



14.4637, 0.3229, 0.3196



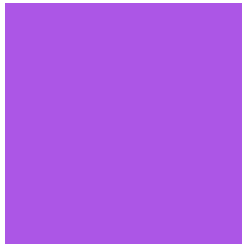
9.9901, 0.5362, 0.2727



0.7562, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 21.1394, 0.2606, 0.1591 looks on a white background.

Color Contrast Check

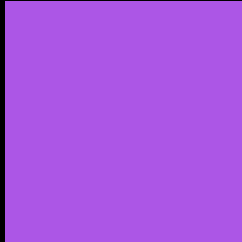
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1394, 0.2606, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

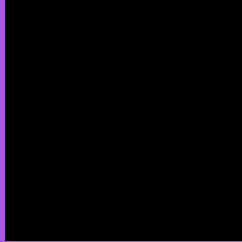
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1394, 0.2606, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 21.1394, 0.2606, 0.1591.



This preview shows how white text looks on a background with the Yxy color 21.1394, 0.2606, 0.1591.

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

21.1394, 0.2606, 0.1591

Protanopia

21.7260, 0.1779, 0.1499

Deuteranopia

21.6274, 0.1922, 0.1864



Tritanopia

21.0990, 0.3494, 0.3143

Trichromacy



Original Color

21.1394, 0.2606, 0.1591



Protanomaly

19.6905, 0.1913, 0.1457



Deuteranomaly

19.6262, 0.2052, 0.1670



Tritanomaly

20.5655, 0.3131, 0.2425

Monochromacy



Original Color

21.1394, 0.2606, 0.1591



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.4562, 0.2918, 0.2467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1394, 0.2606, 0.1591 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(172, 86, 230)` looks like.

```
.text, #text, p{  
    color:rgb(172, 86, 230)  
}
```

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(172, 86, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 86, 230) }
```

Border

The CSS property to change the border of an element to Yxy 21.1394, 0.2606, 0.1591 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(172, 86, 230) }
```

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

```
.border{ border-color:rgb(172, 86, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 86, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 86, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 86, 230);  
box-shadow:4px 4px 4px 4px rgb(172, 86,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1394, 0.2606, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 86, 230) }
```

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

```
.background{ background-color: rgb(172, 86,  
230) }
```

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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