

Converting Colors

$Y_{xy}(20.4234, 0.2592, 0.1611)$

Have a look what the booklet for
Yxy(20.4234, 0.2592, 0.1611)
contains.

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Color

Yxy(20.4681, 0.2596, 0.1614)

Conversions

Conversions Part 1

Format	Color
Hex	A757E1
RGB	167, 87, 225
RGB Percent	65%, 34%, 88%
CMY	0.3453, 0.6586, 0.1178
CMYK	0.26, 0.61, 0.00, 0.12
HSL	275°, 70%, 61%
HSV	275°, 61%, 88%
XYZ	32.9214, 20.4681, 73.4265
YIQ	126.6520, 3.3820, 59.8780

Conversions

Conversions Part 2

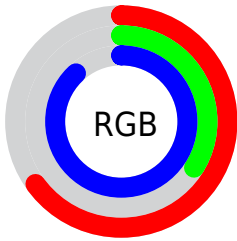
Format	Color
R_{YB}	167, 87, 225
Decimal	10967009
CIE _{Lab}	52.36, 56.48, -57.52
CIE _{LCh}	52, 80.611, 314.476
Yxy	20.4681, 0.2596, 0.1614
Android (android.graphics.Color)	4289157089 (0xFFA757E1)
YUV	126.6520, 48.4856, 35.3852
Hunter-Lab	45.2417, 50.7178, -64.5574

Details

The Yxy color **20.4681, 0.2596, 0.1614** 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 **60.5498, 0.3376, 0.5068**, and the grayscale version is **20.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2773, 0.2923, 0.2108**, and **7.2126, 0.2371, 0.1212** is the 20% darker color. If you saturate the color by 10%, you get **16.3805, 0.2482, 0.1381**, and if you desaturate by 10%, it is **25.7676, 0.2707, 0.1879**.

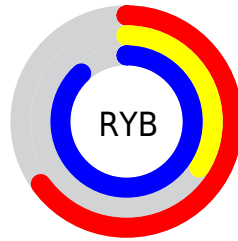
Distribution



Red (65%)

Green (34%)

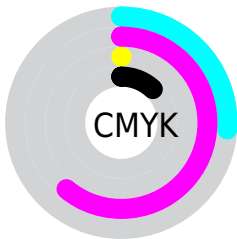
Blue (88%)



Red (65%)

Yellow (34%)

Blue (88%)

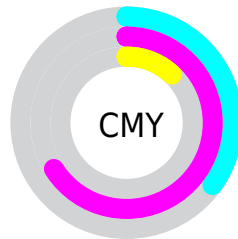


Cyan (26%)

Magenta (61%)

Yellow (0%)

Black (12%)



Cyan (35%)

Magenta (66%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4681, 0.2596, 0.1614 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 20.4681, 0.2596, 0.1614 by changing the saturation by 10% instead.


 20.4681, 0.2596,
0.1614


 20.4681, 0.2596,
0.1614


254.4381, 0.2915,
0.2416


 12.7358, 0.2503,
0.1434

 44.2006, 0.2723,
0.1892

 7.2468, 0.2378,
0.1219


 60.9696, 0.2767,
0.2001

 3.6170, 0.2204,
0.0961


 81.5195, 0.2804,
0.2094

 1.4617, 0.1955,
0.0658

 106.2349, 0.2834,
0.2176

 0.2615, 0.1606,
0.0221

135.5000, 0.2859,
0.2247

 0.0000, 0.1019,
0.0000

169.6993, 0.2881,

 0.0000, 0.0000,

0.2310

0.0000

209.2172, 0.2899,
0.2366

■ 20.4681, 0.2596,
0.1614

■ 20.4681, 0.2596,
0.1614

■ 16.3805, 0.2482,
0.1381

■ 25.7676, 0.2707,
0.1879

■ 13.3914, 0.2369,
0.1191

■ 32.3737, 0.2810,
0.2163

■ 11.3691, 0.2262,
0.1054

■ 40.3738, 0.2904,
0.2452

■ 10.2046, 0.2175,
0.0972

■ 49.8474, 0.2987,
0.2735

■ 60.8674, 0.3059,
0.3006

73.5022, 0.3120,
0.3259

87.8156, 0.3171,
0.3491

95.9501, 0.3224,
0.3589

97.6749, 0.3285,
0.3584

Harmonies

Analogous

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



20.4681, 0.1619, 0.1397



20.4681, 0.2596, 0.1614



20.4681, 0.4062, 0.2118

Triad

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



20.4681, 0.2596, 0.1614



20.4681, 0.5297, 0.4509



20.4681, 0.1208, 0.3199

Complementary

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



20.4681, 0.2596, 0.1614



60.5498, 0.3376, 0.5068

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.



20.4681, 0.1924, 0.5068



20.4681, 0.2596, 0.1614



20.4681, 0.4245, 0.5524

Square

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



20.4681, 0.2596, 0.1614



20.4681, 0.5844, 0.3601



20.4681, 0.3046, 0.6067



20.4681, 0.0987, 0.1992

Rectangle

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



20.4681, 0.2596, 0.1614



20.4681, 0.5046, 0.2575



20.4681, 0.3046, 0.6067



20.4681, 0.1386, 0.3790

Sweetspot

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



20.4689, 0.2596, 0.1614



70.6492, 0.3011, 0.2823



28.2745, 0.2125, 0.2152



14.2468, 0.2989, 0.2742



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.



20.4689, 0.2596, 0.1614



20.3350, 0.2445, 0.1314



27.7742, 0.3290, 0.1952



13.6334, 0.3071, 0.3054



5.9524, 0.2190, 0.0980



0.4649, 0.2342, 0.1064

Inverse Universe

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



24.8751, 0.4210, 0.2647



27.2576, 0.4589, 0.2586



56.7113, 0.2997, 0.5155



13.7958, 0.3226, 0.3192



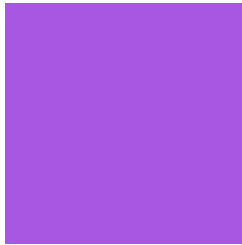
9.7192, 0.5284, 0.2685



0.6913, 0.4888, 0.2467

Previews

White Background



This preview shows how the Yxy color 20.4681, 0.2596, 0.1614 looks on a white background.

Color Contrast Check

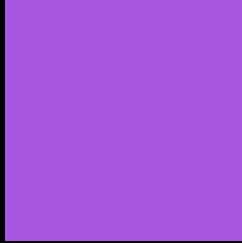
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4681, 0.2596, 0.1614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

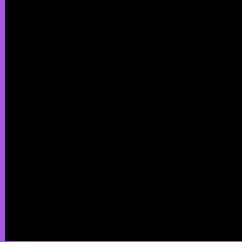
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4681, 0.2596, 0.1614

Background



This preview shows how black text looks on a background with the Yxy color 20.4681, 0.2596, 0.1614.



This preview shows how white text looks on a background with the Yxy color 20.4681, 0.2596, 0.1614.

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

20.4681, 0.2596, 0.1614

Protanopia

21.0332, 0.1753, 0.1465

Deuteranopia

20.8923, 0.1936, 0.1884



Tritanopia

20.4555, 0.3458, 0.3140

Trichromacy



Original Color

20.4681, 0.2596, 0.1614



Protanomaly

18.8854, 0.1868, 0.1438



Deuteranomaly

19.0828, 0.2065, 0.1697



Tritanomaly

19.7443, 0.3105, 0.2433

Monochromacy



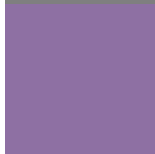
Original Color

20.4681, 0.2596, 0.1614



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.9835, 0.2916, 0.2473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4681, 0.2596, 0.1614 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(167, 87, 225)` looks like.

```
.text, #text, p{  
    color:rgb(167, 87, 225)  
}
```

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(167, 87, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 87, 225) }
```

Border

The CSS property to change the border of an element to Yxy 20.4681, 0.2596, 0.1614 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(167, 87, 225) }
```

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

```
.border{ border-color:rgb(167, 87, 225) }
```

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

Here you see how a box with a 4 pixel rgb(167, 87, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 87, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 87, 225);  
box-shadow:4px 4px 4px 4px rgb(167, 87,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4681, 0.2596, 0.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 87, 225) }
```

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

```
.background{ background-color: rgb(167, 87,  
225) }
```

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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