

Converting Colors

$Y_{xy}(20.4212, 0.2672, 0.1648)$

Have a look what the booklet for
Yxy(20.4212, 0.2672, 0.1648)
contains.

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Color

Yxy(20.3754, 0.2667, 0.1642)

Conversions

Conversions Part 1

Format	Color
Hex	AB55DD
RGB	171, 85, 221
RGB Percent	67%, 33%, 87%
CMY	0.3295, 0.6666, 0.1332
CMYK	0.23, 0.62, 0.00, 0.13
HSL	278°, 67%, 60%
HSV	278°, 62%, 87%
XYZ	33.0945, 20.3754, 70.6190
YIQ	126.2180, 7.6000, 60.5280

Conversions

Conversions Part 2

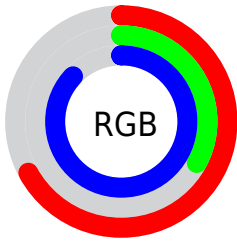
Format	Color
RYB	171, 85, 221
Decimal	11228637
CIELab	52.26, 57.54, -55.43
CIELCh	52, 79.896, 316.067
Yxy	20.3754, 0.2667, 0.1642
Android (android.graphics.Color)	4289418717 (0xFFAB55DD)
YUV	126.2180, 46.7275, 39.2738
Hunter-Lab	45.1391, 51.8769, -61.1603

Details

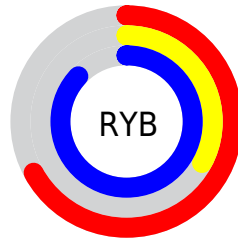
The Yxy color **20.3754, 0.2667, 0.1642** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **57.5430, 0.3326, 0.5102**, and the grayscale version is **20.7787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3433, 0.2956, 0.2101**, and **7.2402, 0.2475, 0.1253** is the 20% darker color. If you saturate the color by 10%, you get **16.5371, 0.2567, 0.1420**, and if you desaturate by 10%, it is **25.3580, 0.2763, 0.1897**.

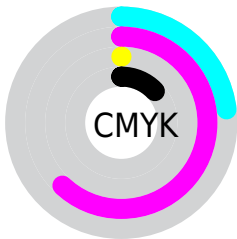
Distribution



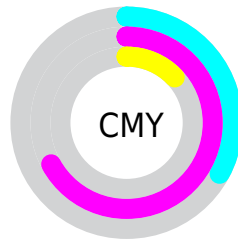
- Red (67%)
- Green (33%)
- Blue (87%)



- Red (67%)
- Yellow (33%)
- Blue (87%)



- Cyan (23%)
- Magenta (62%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (67%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3754, 0.2667, 0.1642 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 20.3754, 0.2667, 0.1642 by changing the saturation by 10% instead.


 20.3754, 0.2667,
0.1642

 20.3754, 0.2667,
0.1642


253.9402, 0.2950,
0.2434


 12.6682, 0.2582,
0.1463


 44.0457, 0.2781,
0.1918


 7.2005, 0.2467,
0.1248

 60.7776, 0.2820,
0.2025

 3.5878, 0.2305,
0.0988


 81.2865, 0.2853,
0.2117

 1.4458, 0.2068,
0.0682

 105.9568, 0.2879,
0.2198

 0.2501, 0.1731,
0.0225

135.1729, 0.2901,
0.2268

 0.0000, 0.1136,
0.0000

169.3193, 0.2920,

 0.0000, 0.0000,

0.2330

0.0000

208.7802, 0.2936,
0.2385

■ 20.3754, 0.2667,
0.1642

■ 20.3754, 0.2667,
0.1642

■ 16.5371, 0.2567,
0.1420

■ 25.3580, 0.2763,
0.1897

■ 13.7348, 0.2467,
0.1241

■ 31.5752, 0.2853,
0.2172

■ 11.8423, 0.2371,
0.1112

■ 39.1106, 0.2935,
0.2454

■ 10.7720, 0.2294,
0.1037

■ 48.0398, 0.3006,
0.2733

■ 58.4324, 0.3068,
0.3001

■ 70.3534, 0.3120,
0.3253

■ 83.8639, 0.3163,
0.3486

■ 94.5832, 0.3205,
0.3634

■ 96.0077, 0.3257,
0.3628

Harmonies

Analogous

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



20.3754, 0.1665, 0.1410



20.3754, 0.2667, 0.1642



20.3754, 0.4139, 0.2159

Triad

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



20.3754, 0.2667, 0.1642



20.3754, 0.5242, 0.4561



20.3754, 0.1196, 0.3116

Complementary

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



20.3754, 0.2667, 0.1642



57.5430, 0.3326, 0.5102

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.



20.3754, 0.1882, 0.4958



20.3754, 0.2667, 0.1642



20.3754, 0.4183, 0.5563

Square

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



20.3754, 0.2667, 0.1642



20.3754, 0.5821, 0.3649



20.3754, 0.2988, 0.6039



20.3754, 0.0996, 0.1960

Rectangle

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



20.3754, 0.2667, 0.1642



20.3754, 0.5100, 0.2619



20.3754, 0.2988, 0.6039



20.3754, 0.1364, 0.3690

Sweetspot

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



20.3762, 0.2667, 0.1642



71.0663, 0.3028, 0.2825



25.0881, 0.2099, 0.2043



14.3489, 0.3009, 0.2745



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.



20.3762, 0.2667, 0.1642



21.5364, 0.2536, 0.1360



26.2913, 0.3367, 0.2007



13.0229, 0.3080, 0.3055



6.3218, 0.2307, 0.1045



0.4578, 0.2455, 0.1126

Inverse Universe

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



23.6265, 0.4325, 0.2728



26.9616, 0.4740, 0.2683



54.5999, 0.2967, 0.5070



13.1303, 0.3234, 0.3204



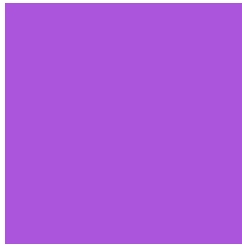
9.2978, 0.5496, 0.2801



0.6186, 0.5048, 0.2554

Previews

White Background



This preview shows how the Yxy color 20.3754, 0.2667, 0.1642 looks on a white background.

Color Contrast Check

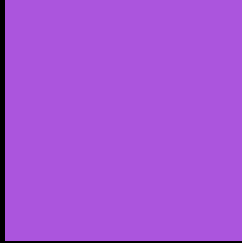
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3754, 0.2667, 0.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

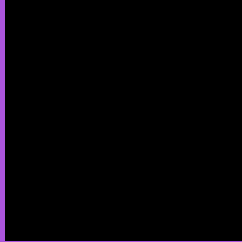
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3754, 0.2667, 0.1642

Background



This preview shows how black text looks on a background with the Yxy color 20.3754, 0.2667, 0.1642.



This preview shows how white text looks on a background with the Yxy color 20.3754, 0.2667, 0.1642.

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

20.3754, 0.2667, 0.1642

Protanopia

20.7721, 0.1747, 0.1452

Deuteranopia

20.6865, 0.1978, 0.1918



Tritanopia

20.1840, 0.3571, 0.3143

Trichromacy



Original Color

20.3754, 0.2667, 0.1642



Protanomaly

18.4029, 0.1865, 0.1419



Deuteranomaly

19.0361, 0.2126, 0.1734



Tritanomaly

19.7462, 0.3204, 0.2460

Monochromacy



Original Color

20.3754, 0.2667, 0.1642



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6929, 0.2936, 0.2485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3754, 0.2667, 0.1642 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(171, 85, 221)` looks like.

```
.text, #text, p{  
    color:rgb(171, 85, 221)  
}
```

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(171, 85, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 85, 221) }
```

Border

The CSS property to change the border of an element to Yxy 20.3754, 0.2667, 0.1642 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(171, 85, 221) }
```

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

```
.border{ border-color:rgb(171, 85, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 85, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 85, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 85, 221);  
box-shadow:4px 4px 4px 4px rgb(171, 85,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3754, 0.2667, 0.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 85, 221) }
```

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

```
.background{ background-color: rgb(171, 85,  
221) }
```

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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