

Converting Colors

$Y_{xy}(21.0464, 0.2761, 0.1587)$

Have a look what the booklet for
Yxy(21.0464, 0.2761, 0.1587)
contains.

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Color

Yxy(21.0173, 0.2766, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	BA4BE3
RGB	186, 75, 227
RGB Percent	73%, 29%, 89%
CMY	0.2705, 0.7059, 0.1099
CMYK	0.18, 0.67, 0.00, 0.11
HSL	284°, 73%, 59%
HSV	284°, 67%, 89%
XYZ	36.6313, 21.0173, 74.7856
YIQ	125.5170, 17.3640, 70.8040

Conversions

Conversions Part 2

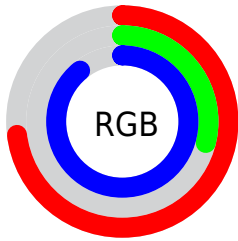
Format	Color
RYB	186, 75, 227
Decimal	12209123
CIELab	52.97, 66.59, -57.55
CIELCh	53, 88.011, 319.164
Yxy	21.0173, 0.2766, 0.1587
Android (android.graphics.Color)	4290399203 (0xFFBA4BE3)
YUV	125.5170, 50.0311, 53.0436
Hunter-Lab	45.8446, 62.3990, -64.6275

Details

The Yxy color **21.0173, 0.2766, 0.1587** 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 **59.1468, 0.3230, 0.5316**, and the grayscale version is **20.5157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8651, 0.3095, 0.2079**, and **7.5295, 0.2584, 0.1197** is the 20% darker color. If you saturate the color by 10%, you get **17.7190, 0.2693, 0.1407**, and if you desaturate by 10%, it is **25.4478, 0.2837, 0.1806**.

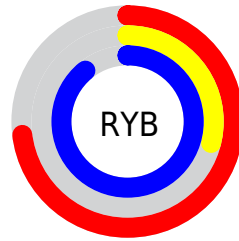
Distribution



Red (73%)

Green (29%)

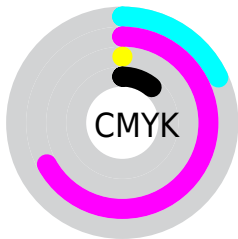
Blue (89%)



Red (73%)

Yellow (29%)

Blue (89%)

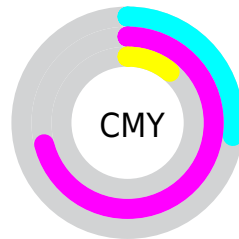


Cyan (18%)

Magenta (67%)

Yellow (0%)

Black (11%)



Cyan (27%)


Magenta (71%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0173, 0.2766, 0.1587 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 21.0173, 0.2766, 0.1587 by changing the saturation by 10% instead.


 21.0173, 0.2766,
0.1587


 21.0173, 0.2766,
0.1587


257.3704, 0.3000,
0.2390


 13.1366, 0.2693,
0.1410


 45.1163, 0.2862,
0.1863


 7.5227, 0.2594,
0.1199


 62.1035, 0.2895,
0.1971

 3.7911, 0.2452,
0.0947


 82.8949, 0.2922,
0.2065

 1.5574, 0.2242,
0.0654

 107.8751, 0.2943,
0.2147

 0.3286, 0.1937,
0.0256

 137.4283, 0.2961,
0.2219

 0.0000, 0.1433,
0.0000

171.9390, 0.2977,

 0.0000, 0.0000,

0.2283

0.0000

211.7916, 0.2989,
0.2339

■ 21.0173, 0.2766,
0.1587

■ 21.0173, 0.2766,
0.1587

■ 17.7190, 0.2693,
0.1407

■ 25.4478, 0.2837,
0.1806

■ 15.4270, 0.2619,
0.1274

■ 31.1133, 0.2904,
0.2054

■ 13.9827, 0.2548,
0.1187

■ 38.1078, 0.2965,
0.2320

■ 13.6305, 0.2527,
0.1166

■ 46.5152, 0.3019,
0.2592

■ 56.4126, 0.3065,
0.2860

67.8713, 0.3104,
0.3119

80.9580, 0.3136,
0.3362

94.7206, 0.3164,
0.3573

95.7797, 0.3202,
0.3570

Harmonies

Analogous

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



21.0173, 0.1653, 0.1316



21.0173, 0.2766, 0.1587



21.0173, 0.4392, 0.2149

Triad

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



21.0173, 0.2766, 0.1587



21.0173, 0.5239, 0.4685



21.0173, 0.1031, 0.2902

Complementary

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



21.0173, 0.2766, 0.1587



59.1468, 0.3230, 0.5316

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.



21.0173, 0.1667, 0.4917



21.0173, 0.2766, 0.1587



21.0173, 0.4051, 0.5792

Square

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



21.0173, 0.2766, 0.1587



21.0173, 0.5966, 0.3691



21.0173, 0.2787, 0.6274



21.0173, 0.0885, 0.1776

Rectangle

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



21.0173, 0.2766, 0.1587



21.0173, 0.5400, 0.2633



21.0173, 0.2787, 0.6274



21.0173, 0.1179, 0.3499

Sweetspot

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



21.0181, 0.2766, 0.1587



69.1511, 0.3051, 0.2776



20.0120, 0.1961, 0.1688



14.0161, 0.3038, 0.2700



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.



21.0181, 0.2766, 0.1587



21.8688, 0.2666, 0.1354



25.2573, 0.3577, 0.2056



14.4096, 0.3095, 0.3055



8.0109, 0.2538, 0.1172



0.6370, 0.2639, 0.1228

Inverse Universe

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



22.6201, 0.4734, 0.2868



24.6680, 0.5253, 0.2878



57.5052, 0.2898, 0.5040



14.4315, 0.3250, 0.3227



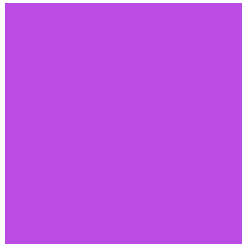
9.7386, 0.5861, 0.3002



0.7348, 0.5445, 0.2773

Previews

White Background



This preview shows how the Yxy color 21.0173, 0.2766, 0.1587 looks on a white background.

Color Contrast Check

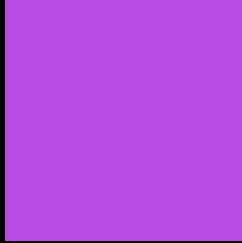
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0173, 0.2766, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

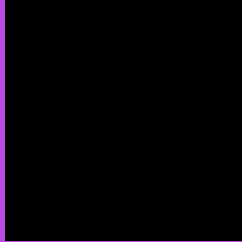
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0173, 0.2766, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 21.0173, 0.2766, 0.1587.



This preview shows how white text looks on a background with the Yxy color 21.0173, 0.2766, 0.1587.

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

21.0173, 0.2766, 0.1587

Protanopia

21.4461, 0.1773, 0.1485

Deuteranopia

21.3476, 0.1964, 0.1907



Tritanopia

21.0059, 0.3836, 0.3169

Trichromacy



Original Color

21.0173, 0.2766, 0.1587



Protanomaly

18.7704, 0.1922, 0.1411



Deuteranomaly

19.1610, 0.2129, 0.1676



Tritanomaly

20.2481, 0.3401, 0.2429

Monochromacy



Original Color

21.0173, 0.2766, 0.1587



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.4556, 0.2985, 0.2412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0173, 0.2766, 0.1587 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, 75, 227)` looks like.

```
.text, #text, p{  
    color:rgb(186, 75, 227)  
}
```

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, 75, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 75, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.0173, 0.2766, 0.1587 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, 75, 227) }
```

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

```
.border{ border-color:rgb(186, 75, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 75, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 75, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 75, 227);  
box-shadow:4px 4px 4px 4px rgb(186, 75,  
227) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0173, 0.2766, 0.1587$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 75, 227) }
```

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

```
.background{ background-color: rgb(186, 75,  
227) }
```

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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