

Converting Colors

$Y_{xy}(10.4800, 0.5094, 0.2580)$

Have a look what the booklet for
Yxy(10.4800, 0.5094, 0.2580)
contains.

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Color

Yxy(10.4796, 0.5085, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	B50055
RGB	181, 0, 85
RGB Percent	71%, 0%, 33%
CMY	0.2902, 0.9998, 0.6667
CMYK	0.00, 1.00, 0.53, 0.29
HSL	332°, 100%, 36%
HSV	332°, 100%, 71%
XYZ	20.6947, 10.4796, 9.5232
YIQ	63.8090, 80.5910, 64.8070

Conversions

Conversions Part 2

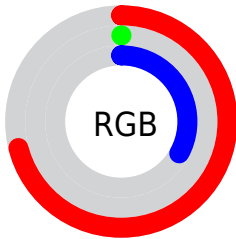
Format	Color
RYB	181, 0, 85
Decimal	11862101
CIELab	38.69, 65.07, 5.51
CIELCh	39, 65.301, 4.845
Yxy	10.4796, 0.5085, 0.2575
Android (android.graphics.Color)	4290052181 (0xFFB50055)
YUV	63.8090, 10.4472, 102.7765
Hunter-Lab	32.3722, 57.4588, 5.2187

Details

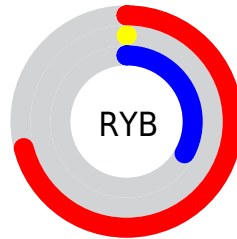
The Yxy color **10.4796, 0.5085, 0.2575** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **33.8925, 0.2694, 0.4900**, and the grayscale version is **5.0769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6331, 0.4579, 0.2776**, and **4.2250, 0.5528, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **10.4785, 0.5086, 0.2575**, and if you desaturate by 10%, it is **11.0799, 0.4830, 0.2510**.

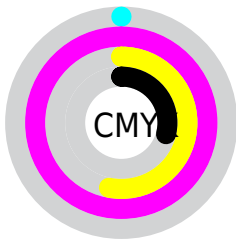
Distribution



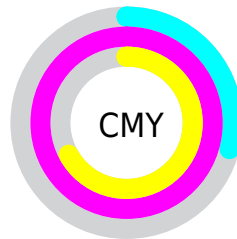
- Red (71%)
- Green (0%)
- Blue (33%)



- Red (71%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4796, 0.5085, 0.2575 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 10.4796, 0.5085, 0.2575 by changing the saturation by 10% instead.


 10.4796, 0.5085,
0.2575


 10.4796, 0.5085,
0.2575


194.0616, 0.3881,
0.3032


 5.7181, 0.5487,
0.2411

 26.6938, 0.4579,
0.2773

 2.6744, 0.6076,
0.2163

 38.9152, 0.4411,
0.2837


 0.9642, 0.7022,
0.1766

 54.3921, 0.4277,
0.2887

 0.0000, 1.0000,
0.0000

 73.5087, 0.4168,
0.2928

 0.0000, 0.0000,
0.0000

 96.6496, 0.4078,
0.2961

 124.1992, 0.4002,

0.2988

156.5417, 0.3937,
0.3012

■ 10.4796, 0.5085,
0.2575

■ 10.4796, 0.5085,
0.2575

■ 10.4785, 0.5086,
0.2575

■ 11.0799, 0.4830,
0.2510

■ 12.1042, 0.4566,
0.2489

■ 13.7054, 0.4305,
0.2520

■ 15.9576, 0.4059,
0.2591

■ 18.9236, 0.3838,
0.2690

■ 22.6589, 0.3644,
0.2807

■ 27.2132, 0.3478,
0.2931

■ 32.6323, 0.3339,
0.3055

■ 38.9583, 0.3223,
0.3176

Harmonies

Analogous

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



10.4796, 0.3562, 0.1915



10.4796, 0.5085, 0.2575



10.4796, 0.5862, 0.3336

Triad

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



10.4796, 0.5085, 0.2575



10.4796, 0.3426, 0.6045



10.4796, 0.1029, 0.1577

Complementary

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



10.4796, 0.5085, 0.2575



33.8925, 0.2694, 0.4900

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.



10.4796, 0.0997, 0.2273



10.4796, 0.5085, 0.2575



10.4796, 0.2243, 0.5611

Square

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



10.4796, 0.5085, 0.2575



10.4796, 0.4669, 0.5274



10.4796, 0.1360, 0.3771



10.4796, 0.1400, 0.1375

Rectangle

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



10.4796, 0.5085, 0.2575



10.4796, 0.5764, 0.3890



10.4796, 0.1360, 0.3771



10.4796, 0.0982, 0.1740

Sweetspot

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



10.4802, 0.5085, 0.2575



48.2668, 0.3486, 0.2924



5.6929, 0.2058, 0.0907



9.6689, 0.3552, 0.2872



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.4802, 0.5085, 0.2575



18.7224, 0.5123, 0.2596



9.8902, 0.6388, 0.3310



8.5694, 0.3216, 0.3184



7.2378, 0.5057, 0.2559



0.2396, 0.4412, 0.2204

Inverse Universe

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



10.4802, 0.5085, 0.2575



18.7224, 0.5123, 0.2596



35.1695, 0.2233, 0.3237



8.5694, 0.3216, 0.3184



7.2378, 0.5057, 0.2559



0.2396, 0.4412, 0.2204

Previews

White Background



This preview shows how the Yxy color 10.4796, 0.5085, 0.2575 looks on a white 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

Black Background



This preview shows how the Yxy color 10.4796, 0.5085, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

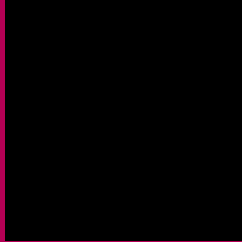
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4796, 0.5085, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 10.4796, 0.5085, 0.2575.



This preview shows how white text looks on a background with the Yxy color 10.4796, 0.5085, 0.2575.

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

10.4796, 0.5085, 0.2575

Protanopia

11.2372, 0.2642, 0.2621

Deuteranopia

11.0994, 0.3650, 0.3584



Tritanopia

10.8376, 0.5929, 0.3306

Trichromacy



Original Color

10.4796, 0.5085, 0.2575

Protanomaly

8.2970, 0.3398, 0.2309

Deuteranomaly

8.6563, 0.4281, 0.2872

Tritanomaly

10.5251, 0.5719, 0.3051

Monochromacy



Original Color

10.4796, 0.5085, 0.2575

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.1796, 0.4031, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4796, 0.5085, 0.2575 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(181, 0, 85)` looks like.

```
.text, #text, p{  
  color:rgb(181, 0, 85)  
}
```

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(181, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 85) }
```

Border

The CSS property to change the border of an element to Yxy 10.4796, 0.5085, 0.2575 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(181, 0, 85) }
```

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

```
.border{ border-color:rgb(181, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4796, 0.5085, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 85) }
```

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

```
.background{ background-color: rgb(181, 0,  
85) }
```

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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