

Converting Colors

$Y_{xy}(10.0881, 0.5075, 0.2580)$

Have a look what the booklet for
Yxy(10.0881, 0.5075, 0.2580)
contains.

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Color

Yxy(10.0368, 0.5078, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	B10353
RGB	177, 3, 83
RGB Percent	69%, 1%, 33%
CMY	0.3059, 0.9879, 0.6745
CMYK	0.00, 0.98, 0.53, 0.31
HSL	332°, 97%, 35%
HSV	332°, 98%, 69%
XYZ	19.7240, 10.0368, 9.0813
YIQ	64.1460, 78.0240, 61.7680

Conversions

Conversions Part 2

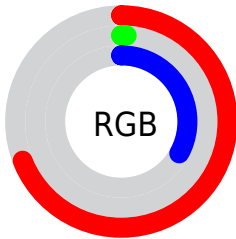
Format	Color
RYB	177, 3, 83
Decimal	11600723
CIELab	37.91, 63.66, 5.56
CIELCh	38, 63.900, 4.994
Yxy	10.0368, 0.5078, 0.2584
Android (android.graphics.Color)	4289790803 (0xFFB10353)
YUV	64.1460, 9.2950, 98.9730
Hunter-Lab	31.6809, 55.6896, 5.1812

Details

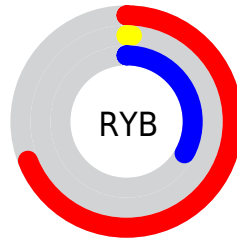
The Yxy color **10.0368, 0.5078, 0.2584** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **32.3252, 0.2680, 0.4834**, and the grayscale version is **5.1334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8777, 0.4568, 0.2785**, and **3.9284, 0.5540, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **9.9453, 0.5123, 0.2596**, and if you desaturate by 10%, it is **10.6568, 0.4817, 0.2523**.

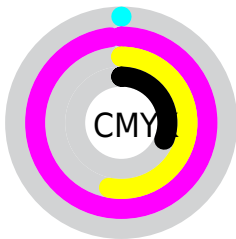
Distribution



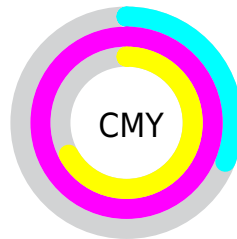
- Red (69%)
- Green (1%)
- Blue (33%)



- Red (69%)
- Yellow (1%)
- Blue (33%)



- Cyan (0%)
- Magenta (98%)
- Yellow (53%)
- Black (31%)





- Cyan (31%)
- Magenta (99%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0368, 0.5078, 0.2584 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 10.0368, 0.5078, 0.2584 by changing the saturation by 10% instead.


 10.0368, 0.5078,
0.2584


 10.0368, 0.5078,
0.2584


190.9345, 0.3871,
0.3038


 5.4234, 0.5486,
0.2419

 25.8647, 0.4568,
0.2782

 2.4977, 0.6088,
0.2165

 37.8479, 0.4399,
0.2846


 0.8755, 0.7099,
0.1764

 53.0566, 0.4266,
0.2896

 0.0000, 1.0000,
0.0000

 71.8750, 0.4157,
0.2935

 0.0000, 0.0000,
0.0000

 94.6876, 0.4067,
0.2968

 121.8788, 0.3991,

0.2995

153.8330, 0.3927,
0.3018

■ 10.0368, 0.5078,
0.2584

■ 10.0368, 0.5078,
0.2584

■ 9.9453, 0.5123,
0.2596

■ 10.6568, 0.4817,
0.2523

■ 11.7247, 0.4547,
0.2510

■ 13.3542, 0.4282,
0.2546

■ 15.6133, 0.4035,
0.2621

■ 18.5601, 0.3814,
0.2722

■ 22.2459, 0.3621,
0.2838

■ 26.7173, 0.3458,
0.2959

■ 32.0168, 0.3320,
0.3081

■ 38.1840, 0.3206,
0.3198

Harmonies

Analogous

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



10.0368, 0.3568, 0.1925



10.0368, 0.5078, 0.2584



10.0368, 0.5847, 0.3344

Triad

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



10.0368, 0.5078, 0.2584



10.0368, 0.3424, 0.6029



10.0368, 0.1039, 0.1584

Complementary

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



10.0368, 0.5078, 0.2584



32.3252, 0.2680, 0.4834

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.



10.0368, 0.1006, 0.2276



10.0368, 0.5078, 0.2584



10.0368, 0.2246, 0.5584

Square

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



10.0368, 0.5078, 0.2584



10.0368, 0.4662, 0.5275



10.0368, 0.1368, 0.3759



10.0368, 0.1412, 0.1383

Rectangle

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



10.0368, 0.5078, 0.2584



10.0368, 0.5749, 0.3898



10.0368, 0.1368, 0.3759



10.0368, 0.0992, 0.1746

Sweetspot

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



10.0374, 0.5078, 0.2584



46.7893, 0.3476, 0.2944



5.7183, 0.2111, 0.0945



9.3954, 0.3543, 0.2893



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.0374, 0.5078, 0.2584



17.7700, 0.5162, 0.2617



9.5455, 0.6344, 0.3319



8.5681, 0.3218, 0.3186



7.2185, 0.5098, 0.2582



0.2389, 0.4439, 0.2219

Inverse Universe

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



10.0374, 0.5078, 0.2584



17.7700, 0.5162, 0.2617



32.3932, 0.2221, 0.3188



8.5681, 0.3218, 0.3186



7.2185, 0.5098, 0.2582



0.2389, 0.4439, 0.2219

Previews

White Background



This preview shows how the Yxy color 10.0368, 0.5078, 0.2584 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 10.0368, 0.5078, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

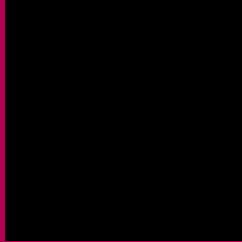
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0368, 0.5078, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 10.0368, 0.5078, 0.2584.



This preview shows how white text looks on a background with the Yxy color 10.0368, 0.5078, 0.2584.

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

10.0368, 0.5078, 0.2584

Protanopia

10.7231, 0.2645, 0.2629

Deuteranopia

10.5654, 0.3626, 0.3568



Tritanopia

10.3115, 0.5917, 0.3298

Trichromacy



Original Color

10.0368, 0.5078, 0.2584

Protanomaly

8.0410, 0.3381, 0.2326

Deuteranomaly

8.3963, 0.4250, 0.2880

Tritanomaly

10.0429, 0.5709, 0.3051

Monochromacy



Original Color

10.0368, 0.5078, 0.2584

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.1141, 0.4007, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0368, 0.5078, 0.2584 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(177, 3, 83)` looks like.

```
.text, #text, p{  
    color:rgb(177, 3, 83)  
}
```

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(177, 3, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 3, 83) }
```

Border

The CSS property to change the border of an element to Yxy 10.0368, 0.5078, 0.2584 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(177, 3, 83) }
```

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

```
.border{ border-color:rgb(177, 3, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 3, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 3, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 3, 83);  
box-shadow:4px 4px 4px 4px rgb(177, 3, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0368, 0.5078, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 3, 83) }
```

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

```
.background{ background-color: rgb(177, 3,  
83) }
```

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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