

Converting Colors

$Y_{xy}(10.4792, 0.6349, 0.3271)$

Have a look what the booklet for
Yxy(10.4792, 0.6349, 0.3271)
contains.

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Color

Yxy(10.4588, 0.6350, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	BA0009
RGB	186, 0, 9
RGB Percent	73%, 0%, 4%
CMY	0.2706, 0.9997, 0.9646
CMYK	0.00, 1.00, 0.95, 0.27
HSL	357°, 100%, 36%
HSV	357°, 100%, 73%
XYZ	20.2975, 10.4588, 1.2083
YIQ	56.6400, 107.9670, 42.2310

Conversions

Conversions Part 2

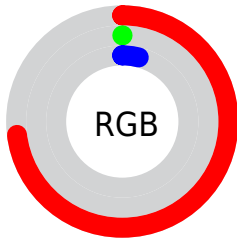
Format	Color
R_{YB}	186, 0, 9
Decimal	12189705
CIE Lab	38.65, 63.29, 49.62
CIE LCh	39, 80.420, 38.099
Yxy	10.4588, 0.6350, 0.3272
Android (android.graphics.Color)	4290379785 (0xFFBA0009)
YUV	56.6400, -23.4865, 113.4487
Hunter-Lab	32.3401, 55.4362, 20.4229

Details

The Yxy color **10.4588, 0.6350, 0.3272** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **38.2903, 0.2288, 0.3436**, and the grayscale version is **4.0694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6895, 0.5653, 0.3471**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.4575, 0.6351, 0.3272**, and if you desaturate by 10%, it is **10.9708, 0.6135, 0.3256**.

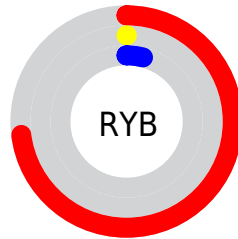
Distribution



Red (73%)

Green (0%)

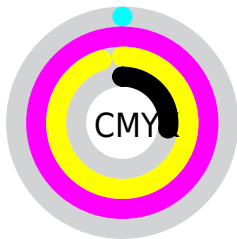
Blue (4%)



Red (73%)

Yellow (0%)

Blue (4%)

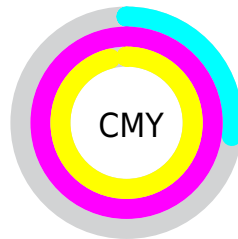


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4588, 0.6350, 0.3272 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 10.4588, 0.6350, 0.3272 by changing the saturation by 10% instead.


 10.4588, 0.6350,
0.3272


 10.4588, 0.6350,
0.3272


 193.9160, 0.4489,
0.3534


 5.7042, 0.6904,
0.3096


 26.6550, 0.5653,
0.3470


 2.6661, 0.7328,
0.2672


 38.8653, 0.5391,
0.3510


 0.9600, 0.7943,
0.2057

 54.3297, 0.5173,
0.3531

 0.0000, 1.0000,
0.0000


 73.4325, 0.4990,
0.3541


 0.0000, 0.0000,
0.0000


 96.5581, 0.4835,
0.3544


 124.0910, 0.4703,


0.3543

 156.4155, 0.4588,
0.3539

 10.4588, 0.6350,
0.3272

 10.4588, 0.6350,
0.3272


 10.4575, 0.6351,
0.3272

 10.9708, 0.6135,
0.3256

 11.9637, 0.5786,
0.3238

 13.6040, 0.5345,
0.3228

 15.9766, 0.4881,
0.3227

 19.1537, 0.4447,
0.3232

■ 23.1988, 0.4069,
0.3242

■ 28.1690, 0.3754,
0.3254

■ 34.1167, 0.3498,
0.3267

■ 41.0902, 0.3292,
0.3279

Harmonies

Analogous

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



10.4588, 0.5666, 0.2489



10.4588, 0.6350, 0.3272



10.4588, 0.5766, 0.4234

Triad

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



10.4588, 0.6350, 0.3272



10.4588, 0.1840, 0.6068



10.4588, 0.1225, 0.1120

Complementary

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



10.4588, 0.6350, 0.3272



38.2903, 0.2288, 0.3436

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.



10.4588, 0.0800, 0.1266



10.4588, 0.6350, 0.3272



10.4588, 0.0983, 0.3563

Square

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



10.4588, 0.6350, 0.3272



10.4588, 0.3138, 0.6712



10.4588, 0.0709, 0.1906



10.4588, 0.2170, 0.1287

Rectangle

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



10.4588, 0.6350, 0.3272



10.4588, 0.4957, 0.5043



10.4588, 0.0709, 0.1906



10.4588, 0.1038, 0.1130

Sweetspot

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



10.4595, 0.6350, 0.3272



50.5318, 0.3770, 0.3253



12.8579, 0.3084, 0.1473



10.2494, 0.3897, 0.3248



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



10.4595, 0.6350, 0.3272



18.9472, 0.6364, 0.3280



16.7386, 0.5553, 0.3972



9.0190, 0.3280, 0.3279



7.0395, 0.6339, 0.3265



0.2505, 0.6099, 0.3133

Inverse Universe

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



10.4595, 0.6350, 0.3272



18.9472, 0.6364, 0.3280



13.1134, 0.1819, 0.1748



9.0190, 0.3280, 0.3279



7.0395, 0.6339, 0.3265



0.2505, 0.6099, 0.3133

Previews

White Background



This preview shows how the Yxy color 10.4588, 0.6350, 0.3272 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



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 10.4588, 0.6350, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 10.4588, 0.6350, 0.3272.



This preview shows how white text looks on a background with the Yxy color 10.4588, 0.6350, 0.3272.

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

10.4588, 0.6350, 0.3272

Protanopia

11.0878, 0.4219, 0.4666

Deuteranopia

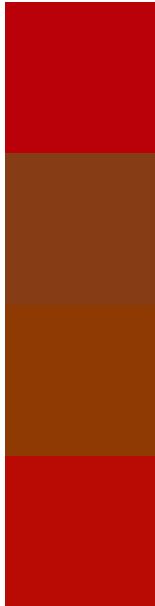
10.9963, 0.4683, 0.4663



Tritanopia

10.7152, 0.6330, 0.3356

Trichromacy



Original Color

10.4588, 0.6350, 0.3272

Protanomaly

8.3506, 0.5361, 0.3868

Deuteranomaly

8.7725, 0.5646, 0.3867

Tritanomaly

10.5602, 0.6341, 0.3324

Monochromacy



Original Color

10.4588, 0.6350, 0.3272

Achromatopsia

4.0915, 0.3127, 0.3290

Achromatomaly

4.3580, 0.4952, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4588, 0.6350, 0.3272 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, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 9)  
}
```

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, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 9) }
```

Border

The CSS property to change the border of an element to Yxy 10.4588, 0.6350, 0.3272 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, 0, 9) }
```

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

```
.border{ border-color:rgb(186, 0, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(186, 0, 9); box-shadow:4px  
4px 4px 4px rgb(186, 0, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4588, 0.6350, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 9) }
```

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

```
.background{ background-color: rgb(186, 0,  
9) }
```

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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