

Converting Colors

$Yxy(9.0880, 0.6034, 0.2760)$

Have a look what the booklet for
Yxy(9.0880, 0.6034, 0.2760)
contains.

Yxy(10.5622, 0.5829, 0.2985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.5622, 0.5829, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	B90034
RGB	185, 0, 52
RGB Percent	73%, 0%, 20%
CMY	0.2745, 0.9997, 0.7962
CMYK	0.00, 1.00, 0.72, 0.27
HSL	343°, 100%, 36%
HSV	343°, 100%, 73%
XYZ	20.6255, 10.5622, 4.1966
YIQ	61.2430, 93.5680, 55.3920

Conversions

Conversions Part 2

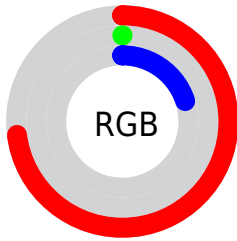
Format	Color
RYB	185, 0, 52
Decimal	12124212
CIELab	38.83, 64.11, 26.98
CIELCh	39, 69.560, 22.824
Yxy	10.5622, 0.5829, 0.2985
Android (android.graphics.Color)	4290314292 (0xFFB90034)
YUV	61.2430, -4.5568, 108.5349
Hunter-Lab	32.4995, 56.4089, 15.0937

Details

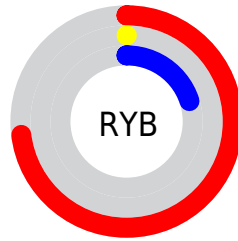
The Yxy color **10.5622, 0.5829, 0.2985** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **36.3917, 0.2508, 0.4227**, and the grayscale version is **4.7064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8729, 0.5154, 0.3153**, and **4.2307, 0.6278, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **10.5604, 0.5830, 0.2985**, and if you desaturate by 10%, it is **11.1501, 0.5516, 0.2902**.

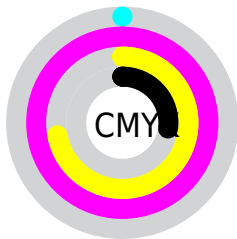
Distribution



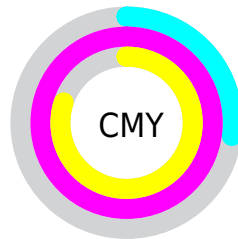
- Red (73%)
- Green (0%)
- Blue (20%)



- Red (73%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5622, 0.5829, 0.2985 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 10.5622, 0.5829, 0.2985 by changing the saturation by 10% instead.

 10.5622, 0.5829,
0.2985


 10.5622, 0.5829,
0.2985


194.6388, 0.4182,
0.3282


 5.7733, 0.6332,
0.2821

 26.8477, 0.5155,
0.3149


 2.7077, 0.7075,
0.2562

 39.1131, 0.4924,
0.3191


 0.9811, 0.7953,
0.2047

 54.6394, 0.4739,
0.3220

 0.0000, 1.0000,
0.0000

 73.8110, 0.4586,
0.3241

 0.0000, 0.0000,
0.0000

 97.0124, 0.4460,
0.3256

 124.6279, 0.4353,

0.3267

157.0419, 0.4261,
0.3275

■ 10.5622, 0.5829,
0.2985

■ 10.5622, 0.5829,
0.2985

■ 10.5604, 0.5830,
0.2985

■ 11.1501, 0.5516,
0.2902

■ 12.2004, 0.5158,
0.2852

■ 13.8726, 0.4785,
0.2846

■ 16.2464, 0.4428,
0.2875

■ 19.3896, 0.4107,
0.2930

■ 23.3616, 0.3831,
0.2998

■ 28.2163, 0.3600,
0.3073

■ 34.0028, 0.3409,
0.3149

■ 40.7666, 0.3254,
0.3222

Harmonies

Analogous

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



10.5622, 0.4589, 0.2238



10.5622, 0.5829, 0.2985



10.5622, 0.5907, 0.3803

Triad

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



10.5622, 0.5829, 0.2985



10.5622, 0.2643, 0.6200



10.5622, 0.1135, 0.1336

Complementary

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



10.5622, 0.5829, 0.2985



36.3917, 0.2508, 0.4227

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.



10.5622, 0.0899, 0.1702



10.5622, 0.5829, 0.2985



10.5622, 0.1567, 0.4645

Square

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



10.5622, 0.5829, 0.2985



10.5622, 0.3934, 0.5954



10.5622, 0.0999, 0.2717



10.5622, 0.1762, 0.1340

Rectangle

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



10.5622, 0.5829, 0.2985



10.5622, 0.5488, 0.4497



10.5622, 0.0999, 0.2717



10.5622, 0.1019, 0.1408

Sweetspot

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



10.5629, 0.5829, 0.2985



50.0300, 0.3611, 0.3069



8.4587, 0.2503, 0.1153



9.9668, 0.3704, 0.3037



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.5629, 0.5829, 0.2985



18.8811, 0.5870, 0.3007



11.8413, 0.6144, 0.3503



9.0525, 0.3245, 0.3226



7.2023, 0.5798, 0.2968



0.2648, 0.5043, 0.2552

Inverse Universe

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



10.5629, 0.5829, 0.2985



18.8811, 0.5870, 0.3007



23.7323, 0.2049, 0.2577



9.0525, 0.3245, 0.3226



7.2023, 0.5798, 0.2968



0.2648, 0.5043, 0.2552

Previews

White Background



This preview shows how the Yxy color 10.5622, 0.5829, 0.2985 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 10.5622, 0.5829, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

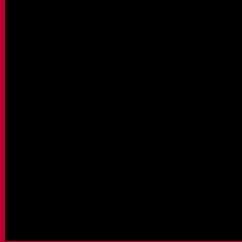
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5622, 0.5829, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 10.5622, 0.5829, 0.2985.



This preview shows how white text looks on a background with the Yxy color 10.5622, 0.5829, 0.2985.

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

10.5622, 0.5829, 0.2985

Protanopia

11.2506, 0.3477, 0.3691

Deuteranopia

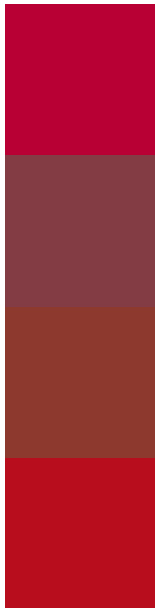
11.1998, 0.4287, 0.4251



Tritanopia

10.7641, 0.6213, 0.3322

Trichromacy



Original Color

10.5622, 0.5829, 0.2985

Protanomaly

8.4744, 0.4457, 0.3143

Deuteranomaly

8.7862, 0.5110, 0.3469

Tritanomaly

10.5669, 0.6130, 0.3218

Monochromacy



Original Color

10.5622, 0.5829, 0.2985

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

4.8207, 0.4426, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5622, 0.5829, 0.2985 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(185, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 52)  
}
```

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(185, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 52) }
```

Border

The CSS property to change the border of an element to Yxy 10.5622, 0.5829, 0.2985 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(185, 0, 52) }
```

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

```
.border{ border-color:rgb(185, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(185, 0, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5622, 0.5829, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 52) }
```

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

```
.background{ background-color: rgb(185, 0,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor