

Converting Colors

$Yxy(10.0904, 0.6388, 0.3310)$

Have a look what the booklet for
Yxy(10.0904, 0.6388, 0.3310)
contains.

Yxy(10.1324, 0.6389, 0.3309)	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(10.1324, 0.6389, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	B70300
RGB	183, 3, 0
RGB Percent	72%, 1%, 0%
CMY	0.2823, 0.9884, 1.0000
CMYK	0.00, 0.98, 1.00, 0.28
HSL	1°, 100%, 36%
HSV	1°, 100%, 72%
XYZ	19.5636, 10.1324, 0.9247
YIQ	56.4780, 108.2430, 37.2270

Conversions

Conversions Part 2

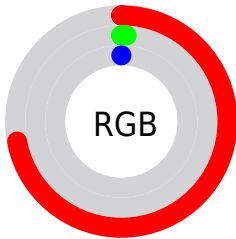
Format	Color
R_{YB}	183, 3, 0
Decimal	11993856
CIE _{Lab}	38.08, 62.12, 52.43
CIE _{LCh}	38, 81.284, 40.164
Yxy	10.1324, 0.6389, 0.3309
Android (android.graphics.Color)	4290183936 (0xFFB70300)
YUV	56.4780, -27.8437, 110.9598
Hunter-Lab	31.8314, 54.0010, 20.5595

Details

The Yxy color **10.1324, 0.6389, 0.3309** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **36.0892, 0.2233, 0.3239**, and the grayscale version is **4.0427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0716, 0.5697, 0.3517**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.1329, 0.6389, 0.3309**, and if you desaturate by 10%, it is **10.6484, 0.6193, 0.3312**.

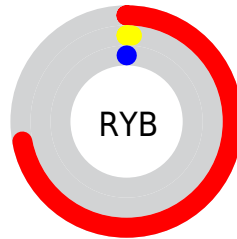
Distribution



Red (72%)

Green (1%)

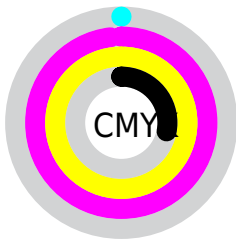
Blue (0%)



Red (72%)

Yellow (1%)

Blue (0%)

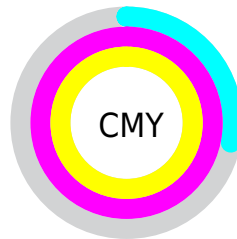


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (99%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1324, 0.6389, 0.3309 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 10.1324, 0.6389, 0.3309 by changing the saturation by 10% instead.


 10.1324, 0.6389,
0.3309


 10.1324, 0.6389,
0.3309


 191.6144, 0.4519,
0.3572


 5.4868, 0.6895,
0.3105

 26.0442, 0.5698,
0.3517


 2.5356, 0.7325,
0.2675

 38.0793, 0.5435,
0.3557


 0.8944, 0.7952,
0.2048

 53.3463, 0.5215,
0.3578

 0.0000, 1.0000,
0.0000


 72.2297, 0.5029,
0.3586


 0.0000, 0.0000,
0.0000


 95.1138, 0.4872,
0.3587


 122.3830, 0.4737,


0.3584


 154.4217, 0.4620,
0.3579


 10.1324, 0.6389,
0.3309


 10.1324, 0.6389,
0.3309


 10.1329, 0.6389,
0.3309

 10.6484, 0.6193,
0.3312

 11.6488, 0.5862,
0.3317

 13.2674, 0.5424,
0.3319

 15.5820, 0.4952,
0.3318

 18.6592, 0.4504,
0.3315

■ 22.5577, 0.4111,
0.3310

■ 27.3305, 0.3783,
0.3305

■ 33.0262, 0.3515,
0.3299

■ 39.6898, 0.3300,
0.3295

Harmonies

Analogous

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



10.1324, 0.5812, 0.2523



10.1324, 0.6389, 0.3309



10.1324, 0.5707, 0.4293

Triad

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



10.1324, 0.6389, 0.3309



10.1324, 0.1728, 0.5993



10.1324, 0.1246, 0.1096

Complementary

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



10.1324, 0.6389, 0.3309



36.0892, 0.2233, 0.3239

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.



10.1324, 0.0793, 0.1217



10.1324, 0.6389, 0.3309



10.1324, 0.0915, 0.3399

Square

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



10.1324, 0.6389, 0.3309



10.1324, 0.3017, 0.6817



10.1324, 0.0679, 0.1809



10.1324, 0.2244, 0.1285

Rectangle

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



10.1324, 0.6389, 0.3309



10.1324, 0.4866, 0.5134



10.1324, 0.0679, 0.1809



10.1324, 0.1048, 0.1100

Sweetspot

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



10.1331, 0.6389, 0.3309



48.4763, 0.3798, 0.3305



13.4886, 0.3209, 0.1542



9.8777, 0.3929, 0.3307



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.



10.1331, 0.6389, 0.3309



18.1132, 0.6392, 0.3307



17.6385, 0.5406, 0.4090



9.0347, 0.3287, 0.3294



7.0775, 0.6386, 0.3311



0.2574, 0.6328, 0.3357

Inverse Universe

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



36.0892, 0.2233, 0.3239



64.5890, 0.2233, 0.3238



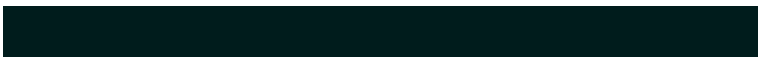
10.9890, 0.1772, 0.1579



10.1851, 0.2985, 0.3286



25.1825, 0.2233, 0.3239



0.8957, 0.2237, 0.3252

Previews

White Background



This preview shows how the Yxy color 10.1324, 0.6389, 0.3309 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 10.1324, 0.6389, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 10.1324, 0.6389, 0.3309.



This preview shows how white text looks on a background with the Yxy color 10.1324, 0.6389, 0.3309.

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

10.1324, 0.6389, 0.3309

Protanopia

10.8377, 0.4244, 0.4699

Deuteranopia

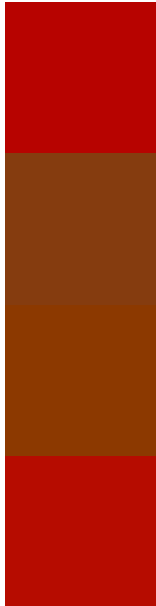
10.6925, 0.4672, 0.4672



Tritanopia

10.3460, 0.6327, 0.3358

Trichromacy



Original Color

10.1324, 0.6389, 0.3309

Protanomaly

8.2528, 0.5398, 0.3916

Deuteranomaly

8.5017, 0.5639, 0.3905

Tritanomaly

10.2080, 0.6352, 0.3338

Monochromacy



Original Color

10.1324, 0.6389, 0.3309

Achromatopsia

3.9546, 0.3127, 0.3290

Achromatomaly

4.2753, 0.5012, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1324, 0.6389, 0.3309 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(183, 3, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 3, 0)  
}
```

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(183, 3, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 3, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1324, 0.6389, 0.3309 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(183, 3, 0) }
```

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

```
.border{ border-color:rgb(183, 3, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 3, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 3, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(183, 3, 0); box-shadow:4px  
4px 4px 4px rgb(183, 3, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1324, 0.6389, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 3, 0) }
```

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

```
.background{ background-color: rgb(183, 3,  
0) }
```

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