

Converting Colors

$Y_{xy}(10.3639, 0.6278, 0.3397)$

Have a look what the booklet for
Yxy(10.3639, 0.6278, 0.3397)
contains.

Yxy(10.3566, 0.6279, 0.3396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.3566, 0.6279, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	B41800
RGB	180, 24, 0
RGB Percent	71%, 9%, 0%
CMY	0.2941, 0.9058, 0.9998
CMYK	0.00, 0.87, 1.00, 0.29
HSL	8°, 100%, 35%
HSV	8°, 100%, 71%
XYZ	19.1487, 10.3566, 0.9911
YIQ	67.9080, 100.6800, 25.6080

Conversions

Conversions Part 2

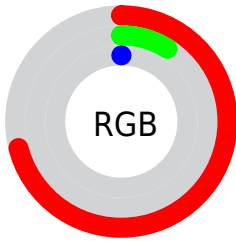
Format	Color
R_{YB}	180, 28, 0
Decimal	11802624
CIE _{Lab}	38.47, 58.31, 52.16
CIE _{LCh}	38, 78.236, 41.816
Yxy	10.3566, 0.6279, 0.3396
Android (android.graphics.Color)	4289992704 (0xFFB41800)
YUV	67.9080, -33.4786, 98.3047
Hunter-Lab	32.1817, 49.8931, 20.7011

Details

The Yxy color **10.3566, 0.6279, 0.3396** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **27.0791, 0.2129, 0.2864**, and the grayscale version is **5.8108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4516, 0.5601, 0.3579**, and **3.7819, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.3554, 0.6279, 0.3396**, and if you desaturate by 10%, it is **11.2392, 0.6032, 0.3445**.

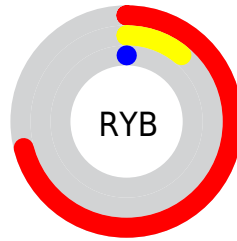
Distribution



Red (71%)

Green (9%)

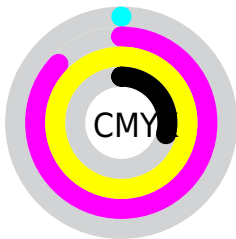
Blue (0%)



Red (71%)

Yellow (11%)

Blue (0%)

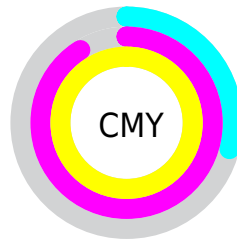


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (91%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3566, 0.6279, 0.3396 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 10.3566, 0.6279, 0.3396 by changing the saturation by 10% instead.


 10.3566, 0.6279,
0.3396


 10.3566, 0.6279,
0.3396


 193.1986, 0.4470,
0.3595


 5.6360, 0.6783,
0.3217

 26.4641, 0.5608,
0.3576


 2.6251, 0.7196,
0.2804

 38.6198, 0.5354,
0.3607


 0.9393, 0.7806,
0.2194

 54.0227, 0.5141,
0.3621

 0.0000, 1.0000,
0.0000


 73.0572, 0.4962,
0.3623


 0.0000, 0.0000,
0.0000


 96.1076, 0.4810,
0.3620


 123.5584, 0.4680,

0.3613

 155.7939, 0.4568,
0.3605


 10.3566, 0.6279,
0.3396

 10.3566, 0.6279,
0.3396


 10.3554, 0.6279,
0.3396

 11.2392, 0.6032,
0.3445

 12.5846, 0.5680,
0.3484

 14.4544, 0.5258,
0.3498

 16.8958, 0.4823,
0.3489

 19.9508, 0.4416,
0.3466

■ 23.6571, 0.4058,
0.3433

■ 28.0497, 0.3755,
0.3396

■ 33.1608, 0.3503,
0.3359

■ 39.0207, 0.3296,
0.3323

Harmonies

Analogous

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



10.3566, 0.5776, 0.2606



10.3566, 0.6279, 0.3396



10.3566, 0.5612, 0.4388

Triad

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



10.3566, 0.6279, 0.3396



10.3566, 0.1739, 0.5732



10.3566, 0.1336, 0.1153

Complementary

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



10.3566, 0.6279, 0.3396



27.0791, 0.2129, 0.2864

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.



10.3566, 0.0861, 0.1259



10.3566, 0.6279, 0.3396



10.3566, 0.0958, 0.3292

Square

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



10.3566, 0.6279, 0.3396



10.3566, 0.2979, 0.6660



10.3566, 0.0734, 0.1818



10.3566, 0.2354, 0.1357

Rectangle

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



10.3566, 0.6279, 0.3396



10.3566, 0.4794, 0.5206



10.3566, 0.0734, 0.1818



10.3566, 0.1130, 0.1152

Sweetspot

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



10.3573, 0.6279, 0.3396



50.3993, 0.3770, 0.3398



12.2072, 0.3526, 0.1716



10.1519, 0.3890, 0.3414



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.



10.3573, 0.6279, 0.3396



18.5877, 0.6298, 0.3381



21.0754, 0.5068, 0.4358



8.6818, 0.3284, 0.3321



7.2863, 0.6264, 0.3408



0.2868, 0.5857, 0.3732

Inverse Universe

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



27.0791, 0.2129, 0.2864



48.8485, 0.2127, 0.2856



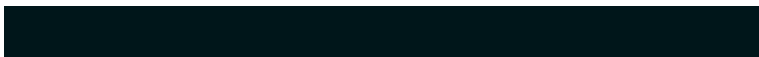
7.5552, 0.1672, 0.1218



9.4346, 0.2986, 0.3259



18.9695, 0.2130, 0.2869



0.6501, 0.2166, 0.2997

Previews

White Background



This preview shows how the Yxy color 10.3566, 0.6279, 0.3396 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 10.3566, 0.6279, 0.3396 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 10.3566, 0.6279, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 10.3566, 0.6279, 0.3396.



This preview shows how white text looks on a background with the Yxy color 10.3566, 0.6279, 0.3396.

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

10.3566, 0.6279, 0.3396

Protanopia

10.8336, 0.4252, 0.4711

Deuteranopia

10.6925, 0.4672, 0.4672



Tritanopia

10.3631, 0.6166, 0.3320

Trichromacy



Original Color

10.3566, 0.6279, 0.3396

Protanomaly

9.0743, 0.5225, 0.4063

Deuteranomaly

9.2696, 0.5466, 0.4042

Tritanomaly

10.3426, 0.6218, 0.3350

Monochromacy



Original Color

10.3566, 0.6279, 0.3396

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.8816, 0.4730, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3566, 0.6279, 0.3396 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(180, 24, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 24, 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(180, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 24, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.3566, 0.6279, 0.3396 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(180, 24, 0) }
```

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

```
.border{ border-color:rgb(180, 24, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 24, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 24, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3566, 0.6279, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 24, 0) }
```

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

```
.background{ background-color: rgb(180, 24,  
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