

Converting Colors

$Y_{xy}(10.1566, 0.6028, 0.3596)$

Have a look what the booklet for
Yxy(10.1566, 0.6028, 0.3596)
contains.

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Color

Yxy(10.2016, 0.6026, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	A82D00
RGB	168, 45, 0
RGB Percent	66%, 18%, 0%
CMY	0.3412, 0.8235, 1.0000
CMYK	0.00, 0.73, 1.00, 0.34
HSL	16°, 100%, 33%
HSV	16°, 100%, 66%
XYZ	17.0858, 10.2016, 1.0661
YIQ	76.6470, 87.7530, 12.0810

Conversions

Conversions Part 2

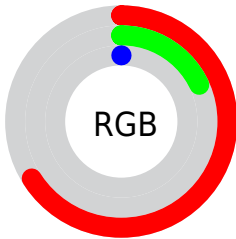
Format	Color
RYB	168, 61, 0
Decimal	11021568
CIELab	38.20, 48.56, 50.66
CIELCh	38, 70.177, 46.217
Yxy	10.2016, 0.6026, 0.3598
Android (android.graphics.Color)	4289211648 (0xFFA82D00)
YUV	76.6470, -37.7870, 80.1166
Hunter-Lab	31.9399, 39.5912, 20.3790

Details

The Yxy color **10.2016, 0.6026, 0.3598** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.9876, 0.2001, 0.2402**, and the grayscale version is **7.4133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1605, 0.5396, 0.3711**, and **3.1258, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.2024, 0.6025, 0.3598**, and if you desaturate by 10%, it is **11.3217, 0.5751, 0.3673**.

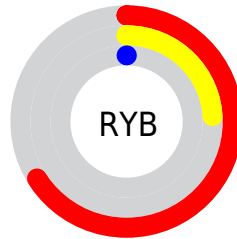
Distribution



Red (66%)

Green (18%)

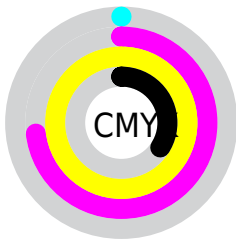
Blue (0%)



Red (66%)

Yellow (24%)

Blue (0%)

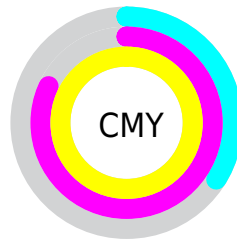


Cyan (0%)

Magenta (73%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2016, 0.6026, 0.3598 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 10.2016, 0.6026, 0.3598 by changing the saturation by 10% instead.


 10.2016, 0.6026,
0.3598


 10.2016, 0.6026,
0.3598


 192.1049, 0.4346,
0.3649


 5.5328, 0.6526,
0.3474

 26.1740, 0.5395,
0.3714


 2.5632, 0.6907,
0.3093

 38.2464, 0.5158,
0.3723


 0.9082, 0.7495,
0.2505

 53.5555, 0.4961,
0.3719

 0.0000, 1.0000,
0.0000

 72.4857, 0.4796,
0.3709


 0.0000, 0.0000,
0.0000


 95.4213, 0.4657,
0.3695


 122.7468, 0.4538,


0.3680


 154.8465, 0.4435,
0.3664


 10.2016, 0.6026,
0.3598

 10.2016, 0.6026,
0.3598


 10.2024, 0.6025,
0.3598

 11.3217, 0.5751,
0.3673

 12.7695, 0.5416,
0.3719

 14.5792, 0.5042,
0.3723

 16.7745, 0.4664,
0.3693

 19.3771, 0.4311,
0.3639

■ 22.4070, 0.3995,
0.3572

■ 25.8828, 0.3721,
0.3499

■ 29.8218, 0.3488,
0.3426

■ 34.2406, 0.3292,
0.3356

Harmonies

Analogous

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



10.2016, 0.5694, 0.2801



10.2016, 0.6026, 0.3598



10.2016, 0.5391, 0.4609

Triad

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



10.2016, 0.6026, 0.3598



10.2016, 0.1740, 0.5153



10.2016, 0.1559, 0.1288

Complementary

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



10.2016, 0.6026, 0.3598



16.9876, 0.2001, 0.2402

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.



10.2016, 0.1029, 0.1353



10.2016, 0.6026, 0.3598



10.2016, 0.1047, 0.3058

Square

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



10.2016, 0.6026, 0.3598



10.2016, 0.2894, 0.6340



10.2016, 0.0864, 0.1830



10.2016, 0.2621, 0.1531

Rectangle

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



10.2016, 0.6026, 0.3598



10.2016, 0.4626, 0.5374



10.2016, 0.0864, 0.1830



10.2016, 0.1333, 0.1274

Sweetspot

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



10.2024, 0.6025, 0.3598



46.6020, 0.3735, 0.3503



9.7593, 0.4016, 0.1986



9.5853, 0.3841, 0.3533



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



10.2024, 0.6025, 0.3598



18.2105, 0.6055, 0.3574



23.9713, 0.4672, 0.4672



7.8572, 0.3279, 0.3351



7.7795, 0.6008, 0.3612



0.2716, 0.5384, 0.4107

Inverse Universe

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



16.9876, 0.2001, 0.2402



30.4579, 0.1996, 0.2385



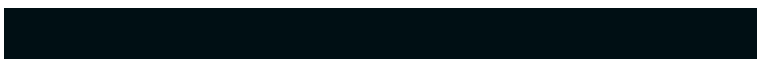
4.2911, 0.1574, 0.0866



8.1869, 0.2987, 0.3228



12.9167, 0.2003, 0.2412



0.3917, 0.2093, 0.2736

Previews

White Background



This preview shows how the Yxy color 10.2016, 0.6026, 0.3598 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

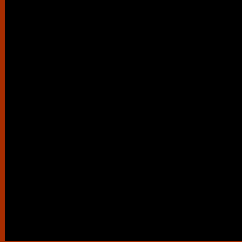
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2016, 0.6026, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 10.2016, 0.6026, 0.3598.



This preview shows how white text looks on a background with the Yxy color 10.2016, 0.6026, 0.3598.

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

10.2016, 0.6026, 0.3598

Protanopia

10.4128, 0.4298, 0.4735

Deuteranopia

10.4612, 0.4676, 0.4669



Tritanopia

10.2654, 0.5644, 0.3287

Trichromacy



Original Color

10.2016, 0.6026, 0.3598

Protanomaly

9.4361, 0.5057, 0.4235

Deuteranomaly

9.7031, 0.5263, 0.4203

Tritanomaly

10.2419, 0.5855, 0.3441

Monochromacy



Original Color

10.2016, 0.6026, 0.3598

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.3173, 0.4428, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2016, 0.6026, 0.3598 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(168, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 45, 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(168, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 45, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.2016, 0.6026, 0.3598 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(168, 45, 0) }
```

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

```
.border{ border-color:rgb(168, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 45, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2016, 0.6026, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 45, 0) }
```

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

```
.background{ background-color: rgb(168, 45,  
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](#).

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