

Converting Colors

$Y_{xy}(10.4809, 0.6164, 0.3488)$

Have a look what the booklet for
Yxy(10.4809, 0.6164, 0.3488)
contains.

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Color

Yxy(10.4919, 0.6163, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	B02400
RGB	176, 36, 0
RGB Percent	69%, 14%, 0%
CMY	0.3099, 0.8587, 1.0000
CMYK	0.00, 0.80, 1.00, 0.31
HSL	12°, 100%, 35%
HSV	12°, 100%, 69%
XYZ	18.5330, 10.4919, 1.0465
YIQ	73.7560, 94.9960, 18.4840

Conversions

Conversions Part 2

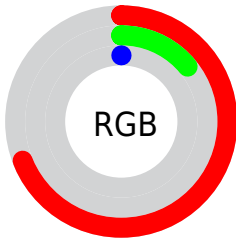
Format	Color
R _Y B	176, 45, 0
Decimal	11543552
CIE Lab	38.71, 54.11, 51.81
CIE LCh	39, 74.915, 43.752
Yxy	10.4919, 0.6163, 0.3489
Android (android.graphics.Color)	4289733632 (0xFFB02400)
YUV	73.7560, -36.3617, 89.6680
Hunter-Lab	32.3912, 45.4461, 20.7583

Details

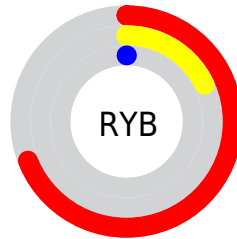
The Yxy color **10.4919, 0.6163, 0.3489** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.8748, 0.2061, 0.2621**, and the grayscale version is **6.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7786, 0.5509, 0.3638**, and **3.5774, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.4927, 0.6163, 0.3489**, and if you desaturate by 10%, it is **11.5550, 0.5896, 0.3558**.

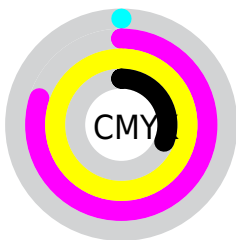
Distribution



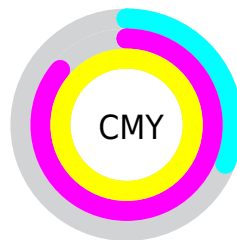
- Red (69%)
- Green (14%)
- Blue (0%)



- Red (69%)
- Yellow (18%)
- Blue (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (100%)
- Black (31%)




- Cyan (31%)
- Magenta (86%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4919, 0.6163, 0.3489 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 10.4919, 0.6163, 0.3489 by changing the saturation by 10% instead.


 10.4919, 0.6163,
0.3489

 10.4919, 0.6163,
0.3489


 194.1477, 0.4417,
0.3621


 5.7263, 0.6663,
0.3337

 26.7167, 0.5513,
0.3640


 2.6794, 0.7059,
0.2941

 38.9447, 0.5268,
0.3661


 0.9667, 0.7652,
0.2348

 54.4289, 0.5063,
0.3667

 0.0000, 1.0000,
0.0000


 73.5538, 0.4891,
0.3663

 0.0000, 0.0000,
0.0000

 96.7037, 0.4744,
0.3655

 124.2631, 0.4619,


0.3645


 156.6163, 0.4511,
0.3633


 10.4919, 0.6163,
0.3489


 10.4919, 0.6163,
0.3489


 10.4927, 0.6163,
0.3489

 11.5550, 0.5896,
0.3558

 13.0211, 0.5548,
0.3604

 14.9358, 0.5148,
0.3616

 17.3332, 0.4742,
0.3597

 20.2438, 0.4362,
0.3558

■ 23.6955, 0.4026,
0.3507

■ 27.7143, 0.3738,
0.3451

■ 32.3243, 0.3496,
0.3395

■ 37.5484, 0.3294,
0.3341

Harmonies

Analogous

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



10.4919, 0.5739, 0.2695



10.4919, 0.6163, 0.3489



10.4919, 0.5510, 0.4490

Triad

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



10.4919, 0.6163, 0.3489



10.4919, 0.1742, 0.5460



10.4919, 0.1436, 0.1214

Complementary

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



10.4919, 0.6163, 0.3489



21.8748, 0.2061, 0.2621

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.



10.4919, 0.0936, 0.1302



10.4919, 0.6163, 0.3489



10.4919, 0.0999, 0.3181

Square

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



10.4919, 0.6163, 0.3489



10.4919, 0.2941, 0.6511



10.4919, 0.0793, 0.1824



10.4919, 0.2475, 0.1435

Rectangle

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



10.4919, 0.6163, 0.3489



10.4919, 0.4716, 0.5284



10.4919, 0.0793, 0.1824



10.4919, 0.1221, 0.1207

Sweetspot

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



10.4927, 0.6163, 0.3489



49.8637, 0.3752, 0.3454



11.1454, 0.3788, 0.1860



10.1343, 0.3865, 0.3478



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.4927, 0.6163, 0.3489



18.7733, 0.6188, 0.3469



23.4418, 0.4841, 0.4538



8.7779, 0.3282, 0.3337



7.7697, 0.6146, 0.3502



0.3264, 0.5631, 0.3911

Inverse Universe

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



21.8748, 0.2061, 0.2621



39.3470, 0.2058, 0.2608



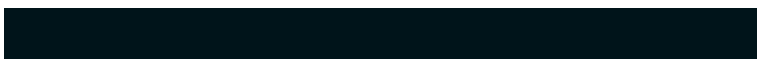
5.6617, 0.1612, 0.1003



9.3301, 0.2986, 0.3242



16.1376, 0.2064, 0.2629



0.5825, 0.2120, 0.2833

Previews

White Background



This preview shows how the Yxy color 10.4919, 0.6163, 0.3489 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

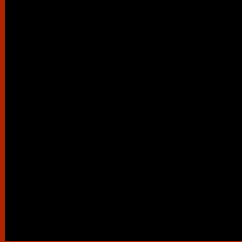
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4919, 0.6163, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 10.4919, 0.6163, 0.3489.



This preview shows how white text looks on a background with the Yxy color 10.4919, 0.6163, 0.3489.

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

10.4919, 0.6163, 0.3489

Protanopia

10.8259, 0.4267, 0.4734

Deuteranopia

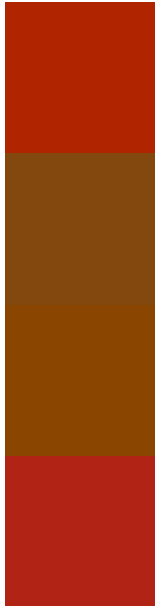
10.7614, 0.4688, 0.4660



Tritanopia

10.4840, 0.5913, 0.3306

Trichromacy



Original Color

10.4919, 0.6163, 0.3489

Protanomaly

9.4096, 0.5133, 0.4165

Deuteranomaly

9.6595, 0.5373, 0.4116

Tritanomaly

10.4863, 0.6037, 0.3396

Monochromacy



Original Color

10.4919, 0.6163, 0.3489

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.8165, 0.4559, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4919, 0.6163, 0.3489 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(176, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 36, 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(176, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 36, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.4919, 0.6163, 0.3489 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(176, 36, 0) }
```

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

```
.border{ border-color:rgb(176, 36, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 36, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 36, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4919, 0.6163, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 36, 0) }
```

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

```
.background{ background-color: rgb(176, 36,  
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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