

Converting Colors

$Y_{xy}(10.1401, 0.5799, 0.3479)$

Have a look what the booklet for
Yxy(10.1401, 0.5799, 0.3479)
contains.

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Color

Yxy(10.1401, 0.5799, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	A62E1B
RGB	166, 46, 27
RGB Percent	65%, 18%, 11%
CMY	0.3490, 0.8196, 0.8940
CMYK	0.00, 0.72, 0.84, 0.35
HSL	8°, 72%, 38%
HSV	8°, 84%, 65%
XYZ	16.9021, 10.1401, 2.1044
YIQ	79.7140, 77.6190, 19.5310

Conversions

Conversions Part 2

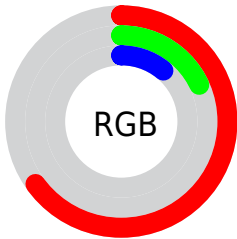
Format	Color
RYB	166, 49, 27
Decimal	10890779
CIELab	38.09, 48.01, 39.59
CIElCh	38, 62.231, 39.509
Yxy	10.1401, 0.5799, 0.3479
Android (android.graphics.Color)	4289080859 (0xFFA62E1B)
YUV	79.7140, -25.9880, 75.6728
Hunter-Lab	31.8435, 39.0192, 18.3723

Details

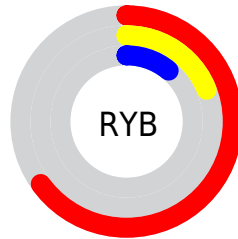
The Yxy color **10.1401, 0.5799, 0.3479** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.8634, 0.2184, 0.2932**, and the grayscale version is **8.0040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0894, 0.5158, 0.3564**, and **3.0642, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.1455, 0.6115, 0.3433**, and if you desaturate by 10%, it is **11.5532, 0.5397, 0.3501**.

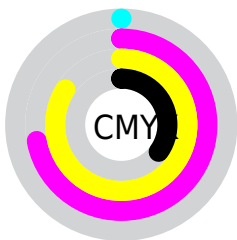
Distribution



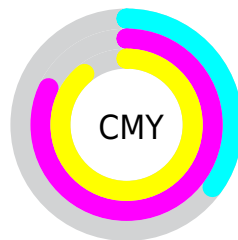
- Red (65%)
- Green (18%)
- Blue (11%)



- Red (65%)
- Yellow (19%)
- Blue (11%)



- Cyan (0%)
- Magenta (72%)
- Yellow (84%)
- Black (35%)





- Cyan (35%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1401, 0.5799, 0.3479 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 10.1401, 0.5799, 0.3479 by changing the saturation by 10% instead.


 10.1401, 0.5799,
0.3479

 10.1401, 0.5799,
0.3479


191.6691, 0.4191,
0.3527


 5.4919, 0.6267,
0.3355

 26.0587, 0.5159,
0.3566


 2.5387, 0.6894,
0.3106

 38.0979, 0.4932,
0.3573


 0.8959, 0.7483,
0.2517

 53.3696, 0.4749,
0.3571

 0.0000, 1.0000,
0.0000

 72.2582, 0.4597,
0.3565


 0.0000, 0.0000,
0.0000


 95.1480, 0.4470,
0.3556


 122.4235, 0.4363,


0.3547


 154.4691, 0.4271,
0.3537


 10.1401, 0.5799,
0.3479


 10.1401, 0.5799,
0.3479


 9.1455, 0.6115,
0.3433


 11.5532, 0.5397,
0.3501

 8.7074, 0.6268,
0.3405

 13.4231, 0.4964,
0.3499

 15.7856, 0.4548,
0.3480

 18.6724, 0.4175,
0.3449

 22.1125, 0.3855,
0.3412

■ 26.1330, 0.3588,
0.3374

■ 30.7589, 0.3367,
0.3337

■ 36.0138, 0.3186,
0.3302

■ 41.9203, 0.3037,
0.3270

Harmonies

Analogous

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



10.1401, 0.5202, 0.2715



10.1401, 0.5799, 0.3479



10.1401, 0.5418, 0.4360

Triad

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



10.1401, 0.5799, 0.3479



10.1401, 0.2120, 0.5288



10.1401, 0.1536, 0.1419

Complementary

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



10.1401, 0.5799, 0.3479



23.8634, 0.2184, 0.2932

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.



10.1401, 0.1110, 0.1567



10.1401, 0.5799, 0.3479



10.1401, 0.1324, 0.3484

Square

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



10.1401, 0.5799, 0.3479



10.1401, 0.3260, 0.5994



10.1401, 0.1029, 0.2163



10.1401, 0.2413, 0.1586

Rectangle

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



10.1401, 0.5799, 0.3479



10.1401, 0.4831, 0.5048



10.1401, 0.1029, 0.2163



10.1401, 0.1350, 0.1431

Sweetspot

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



10.1407, 0.5799, 0.3479



46.0771, 0.3631, 0.3381



11.0141, 0.3499, 0.1799



9.7465, 0.3718, 0.3394



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.



10.1407, 0.5799, 0.3479



15.6216, 0.6289, 0.3388



20.4587, 0.4760, 0.4415



7.7014, 0.3282, 0.3321



6.7938, 0.6256, 0.3414



0.2134, 0.5793, 0.3782

Inverse Universe

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



23.8634, 0.2184, 0.2932



40.6031, 0.2124, 0.2847



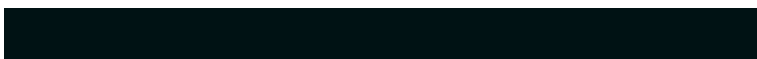
8.4328, 0.1807, 0.1515



8.3548, 0.2987, 0.3258



17.4966, 0.2128, 0.2860



0.4722, 0.2171, 0.3015

Previews

White Background



This preview shows how the Yxy color 10.1401, 0.5799, 0.3479 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 10.1401, 0.5799, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

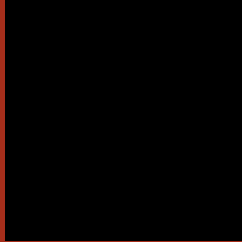
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1401, 0.5799, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 10.1401, 0.5799, 0.3479.



This preview shows how white text looks on a background with the Yxy color 10.1401, 0.5799, 0.3479.

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

10.1401, 0.5799, 0.3479

Protanopia

10.3954, 0.4067, 0.4462

Deuteranopia

10.3246, 0.4640, 0.4580



Tritanopia

10.0978, 0.5565, 0.3286

Trichromacy



Original Color

10.1401, 0.5799, 0.3479

Protanomaly

9.5135, 0.4774, 0.4027

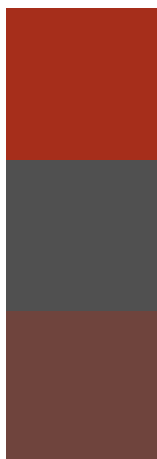
Deuteranomaly

9.6153, 0.5176, 0.4084

Tritanomaly

10.1237, 0.5666, 0.3371

Monochromacy



Original Color

10.1401, 0.5799, 0.3479

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.8507, 0.4161, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1401, 0.5799, 0.3479 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(166, 46, 27)` looks like.

```
.text, #text, p{  
    color:rgb(166, 46, 27)  
}
```

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(166, 46, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 46, 27) }
```

Border

The CSS property to change the border of an element to Yxy 10.1401, 0.5799, 0.3479 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(166, 46, 27) }
```

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

```
.border{ border-color:rgb(166, 46, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 46, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 46, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 46, 27);  
box-shadow:4px 4px 4px 4px rgb(166, 46,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1401, 0.5799, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 46, 27) }
```

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

```
.background{ background-color: rgb(166, 46,  
27) }
```

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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