

Converting Colors

$Y_{xy}(12.3773, 0.6281, 0.3395)$

Have a look what the booklet for
Yxy(12.3773, 0.6281, 0.3395)
contains.

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Color

Yxy(12.3860, 0.6279, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	C31B00
RGB	195, 27, 0
RGB Percent	76%, 11%, 0%
CMY	0.2352, 0.8942, 0.9998
CMYK	0.00, 0.86, 1.00, 0.24
HSL	8°, 100%, 38%
HSV	8°, 100%, 76%
XYZ	22.9010, 12.3860, 1.1854
YIQ	74.1540, 108.7950, 27.2190

Conversions

Conversions Part 2

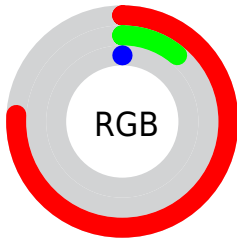
Format	Color
RYB	195, 31, 0
Decimal	12786432
CIELab	41.82, 61.89, 55.37
CIELCh	42, 83.044, 41.816
Yxy	12.3860, 0.6279, 0.3396
Android (android.graphics.Color)	4290976512 (0xFFC31B00)
YUV	74.1540, -36.5579, 105.9819
Hunter-Lab	35.1937, 54.5629, 22.6387

Details

The Yxy color **12.3860, 0.6279, 0.3396** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **31.9845, 0.2124, 0.2845**, and the grayscale version is **6.9271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1713, 0.5611, 0.3581**, and **4.8253, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3844, 0.6279, 0.3396**, and if you desaturate by 10%, it is **13.4381, 0.6038, 0.3449**.

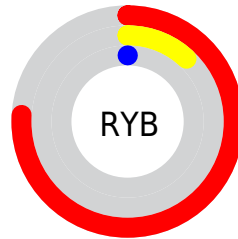
Distribution



Red (76%)

Green (11%)

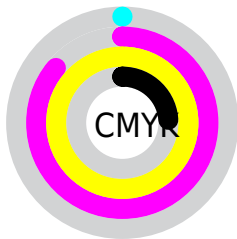
Blue (0%)



Red (76%)

Yellow (12%)

Blue (0%)

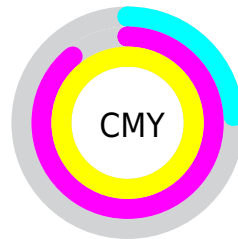


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3860, 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 12.3860, 0.6279, 0.3396 by changing the saturation by 10% instead.


 12.3860, 0.6279,
0.3396

 12.3860, 0.6279,
0.3396


 206.9442, 0.4519,
0.3600


 7.0071, 0.6763,
0.3237

 30.1962, 0.5641,
0.3571


 3.4666, 0.7140,
0.2860

 43.3963, 0.5395,
0.3604


 1.3799, 0.7681,
0.2319

 59.9723, 0.5187,
0.3619

 0.2018, 0.9095,
0.0905

 80.3086, 0.5011,
0.3623


 0.0000, 1.0000,
0.0000


 104.7895, 0.4860,
0.3622

 0.0000, 0.0000,
0.0000


 133.7995, 0.4731,

0.3616


 167.7229, 0.4618,
0.3609


 12.3860, 0.6279,
0.3396


 12.3860, 0.6279,
0.3396

 12.3844, 0.6279,
0.3396

 13.4381, 0.6038,
0.3449

 15.0448, 0.5689,
0.3490

 17.2791, 0.5268,
0.3505

 20.1976, 0.4832,
0.3497

 23.8506, 0.4423,
0.3473

■ 28.2834, 0.4063,
0.3439

■ 33.5379, 0.3758,
0.3400

■ 39.6528, 0.3505,
0.3362

■ 46.6645, 0.3297,
0.3325

Harmonies

Analogous

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



12.3860, 0.5776, 0.2606



12.3860, 0.6279, 0.3396



12.3860, 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.



12.3860, 0.6279, 0.3396



12.3860, 0.1739, 0.5732



12.3860, 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.



12.3860, 0.6279, 0.3396



31.9845, 0.2124, 0.2845

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.



12.3860, 0.0861, 0.1259



12.3860, 0.6279, 0.3396



12.3860, 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.



12.3860, 0.6279, 0.3396



12.3860, 0.2972, 0.6645



12.3860, 0.0734, 0.1818



12.3860, 0.2354, 0.1357

Rectangle

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



12.3860, 0.6279, 0.3396



12.3860, 0.4794, 0.5206



12.3860, 0.0734, 0.1818



12.3860, 0.1130, 0.1152

Sweetspot

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



12.3868, 0.6279, 0.3396



59.5552, 0.3772, 0.3402



14.4708, 0.3579, 0.1745



12.1226, 0.3898, 0.3419



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.3868, 0.6279, 0.3396



21.9727, 0.6297, 0.3382



25.9023, 0.5027, 0.4390



10.2972, 0.3286, 0.3322



8.1213, 0.6263, 0.3409



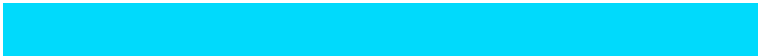
0.4252, 0.5912, 0.3687

Inverse Universe

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



31.9845, 0.2124, 0.2845



56.9931, 0.2122, 0.2838



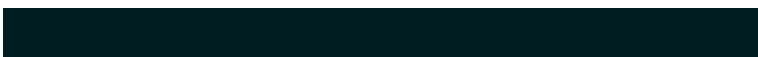
8.5170, 0.1656, 0.1162



11.1837, 0.2984, 0.3257



20.8740, 0.2126, 0.2852



0.9686, 0.2155, 0.2959

Previews

White Background



This preview shows how the Yxy color 12.3860, 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 12.3860, 0.6279, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

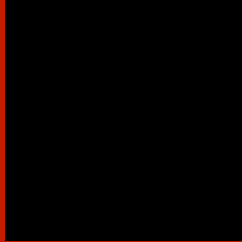
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3860, 0.6279, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 12.3860, 0.6279, 0.3396.



This preview shows how white text looks on a background with the Yxy color 12.3860, 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

12.3860, 0.6279, 0.3396

Protanopia

12.6910, 0.4282, 0.4713

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.3988, 0.6162, 0.3319

Trichromacy



Original Color

12.3860, 0.6279, 0.3396

Protanomaly

10.6392, 0.5263, 0.4059

Deuteranomaly

10.9596, 0.5489, 0.4023

Tritanomaly

12.3726, 0.6217, 0.3351

Monochromacy



Original Color

12.3860, 0.6279, 0.3396

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.9830, 0.4731, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3860, 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(195, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 27, 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(195, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 27, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3860, 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(195, 27, 0) }
```

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

```
.border{ border-color:rgb(195, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(195, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 27, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3860, 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(195, 27, 0) }
```

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

```
.background{ background-color: rgb(195, 27,  
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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