

Converting Colors

$Y_{xy}(21.0690, 0.5892, 0.3569)$

Have a look what the booklet for
Yxy(21.0690, 0.5892, 0.3569)
contains.

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Color

Yxy(21.1538, 0.5891, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	E6451A
RGB	230, 69, 26
RGB Percent	90%, 27%, 10%
CMY	0.0981, 0.7293, 0.8979
CMYK	0.00, 0.70, 0.89, 0.10
HSL	13°, 80%, 50%
HSV	13°, 89%, 90%
XYZ	34.9459, 21.1538, 3.2211
YIQ	112.2370, 109.7590, 20.7590

Conversions

Conversions Part 2

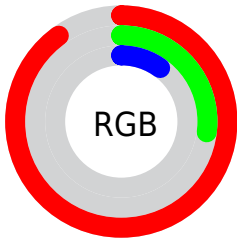
Format	Color
R_{YB}	230, 80, 26
Decimal	15090970
CIE _{Lab}	53.12, 60.28, 57.31
CIE _{LCh}	53, 83.175, 43.555
Yxy	21.1538, 0.5891, 0.3566
Android (android.graphics.Color)	4293281050 (0xFFE6451A)
YUV	112.2370, -42.5148, 103.2782
Hunter-Lab	45.9933, 55.1369, 28.0429

Details

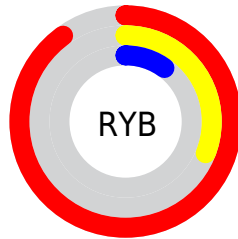
The Yxy color **21.1538, 0.5891, 0.3566** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **41.4794, 0.2094, 0.2674**, and the grayscale version is **16.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7035, 0.5103, 0.3745**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.1843, 0.6148, 0.3487**, and if you desaturate by 10%, it is **23.8881, 0.5539, 0.3615**.

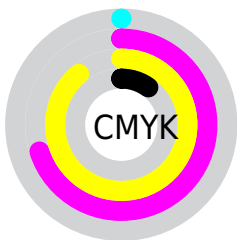
Distribution



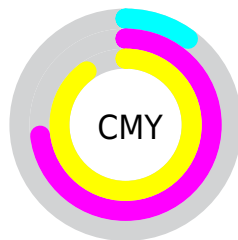
- Red (90%)
- Green (27%)
- Blue (10%)



- Red (90%)
- Yellow (31%)
- Blue (10%)



- Cyan (0%)
- Magenta (70%)
- Yellow (89%)
- Black (10%)





- Cyan (10%)
- Magenta (73%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1538, 0.5891, 0.3566 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 21.1538, 0.5891, 0.3566 by changing the saturation by 10% instead.


 21.1538, 0.5891,
0.3566


 21.1538, 0.5891,
0.3566


258.0947, 0.4429,
0.3620


 13.2365, 0.6222,
0.3462


 45.3434, 0.5371,
0.3649


 7.5916, 0.6684,
0.3316


 62.3844, 0.5169,
0.3660


 3.8347, 0.7039,
0.2961

 83.2354, 0.4998,
0.3662

 1.5816, 0.7551,
0.2449

 108.2809, 0.4850,
0.3658

 0.3451, 0.8649,
0.1351

 137.9051, 0.4723,
0.3650

 0.0000, 1.0000,
0.0000


 172.4926, 0.4612,


 0.0000, 0.0000,


0.3641


0.0000

 212.4277, 0.4515,
0.3630


 21.1538, 0.5891,
0.3566


 21.1538, 0.5891,
0.3566


 19.1843, 0.6148,
0.3487


 23.8881, 0.5539,
0.3615


 18.9734, 0.6177,
0.3477

 27.4597, 0.5134,
0.3626


 31.9335, 0.4724,
0.3606


 37.3671, 0.4341,
0.3564

 43.8127, 0.4004,
0.3510

 51.3189, 0.3715,
0.3451

 59.9312, 0.3473,
0.3392

 69.6923, 0.3273,
0.3336

 80.6424, 0.3107,
0.3283

Harmonies

Analogous

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



21.1538, 0.5440, 0.2785



21.1538, 0.5891, 0.3566



21.1538, 0.5347, 0.4478

Triad

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



21.1538, 0.5891, 0.3566



21.1538, 0.1928, 0.5166



21.1538, 0.1575, 0.1370

Complementary

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



21.1538, 0.5891, 0.3566



41.4794, 0.2094, 0.2674

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.



21.1538, 0.1091, 0.1469



21.1538, 0.5891, 0.3566



21.1538, 0.1192, 0.3244

Square

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



21.1538, 0.5891, 0.3566



21.1538, 0.3068, 0.6127



21.1538, 0.0961, 0.1992



21.1538, 0.2546, 0.1580

Rectangle

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



21.1538, 0.5891, 0.3566



21.1538, 0.4673, 0.5181



21.1538, 0.0961, 0.1992



21.1538, 0.1367, 0.1366

Sweetspot

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



21.1551, 0.5891, 0.3566



66.4257, 0.3675, 0.3442



21.2450, 0.3716, 0.1870



13.4719, 0.3766, 0.3463



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.



21.1551, 0.5891, 0.3566



23.8737, 0.6185, 0.3471



45.2002, 0.4725, 0.4547



14.8576, 0.3287, 0.3340



10.8859, 0.6153, 0.3497



0.9374, 0.5876, 0.3716

Inverse Universe

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



41.4794, 0.2094, 0.2674



49.1171, 0.2051, 0.2583



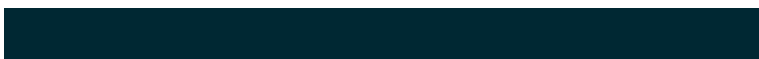
12.7864, 0.1690, 0.1192



15.7936, 0.2981, 0.3239



22.2505, 0.2056, 0.2600



1.7737, 0.2087, 0.2712

Previews

White Background



This preview shows how the Yxy color 21.1538, 0.5891, 0.3566 looks on a white 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

Black Background



This preview shows how the Yxy color 21.1538, 0.5891, 0.3566 looks on a black 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

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

Yxy 21.1538, 0.5891, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 21.1538, 0.5891, 0.3566.



This preview shows how white text looks on a background with the Yxy color 21.1538, 0.5891, 0.3566.

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

21.1538, 0.5891, 0.3566

Protanopia

21.4312, 0.4226, 0.4661

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1869, 0.5543, 0.3272

Trichromacy



Original Color

21.1538, 0.5891, 0.3566

Protanomaly

19.7507, 0.4927, 0.4187

Deuteranomaly

19.9616, 0.5240, 0.4176

Tritanomaly

21.1424, 0.5709, 0.3396

Monochromacy



Original Color

21.1538, 0.5891, 0.3566

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9284, 0.4267, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1538, 0.5891, 0.3566 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(230, 69, 26)` looks like.

```
.text, #text, p{  
  color:rgb(230, 69, 26)  
}
```

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(230, 69, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 69, 26) }
```

Border

The CSS property to change the border of an element to Yxy 21.1538, 0.5891, 0.3566 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(230, 69, 26) }
```

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

```
.border{ border-color:rgb(230, 69, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 69, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 69, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 69, 26);  
box-shadow:4px 4px 4px 4px rgb(230, 69,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1538, 0.5891, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 69, 26) }
```

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

```
.background{ background-color: rgb(230, 69,  
26) }
```

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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