

# Converting Colors

$Y_{xy}(21.0180, 0.5802, 0.3588)$

Have a look what the booklet for  
Yxy(21.0180, 0.5802, 0.3588)  
contains.

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**Color**

**Yxy(21.0328, 0.5802, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2491F
RGB	226, 73, 31
RGB Percent	89%, 29%, 12%
CMY	0.1137, 0.7137, 0.8786
CMYK	0.00, 0.68, 0.86, 0.11
HSL	13°, 77%, 50%
HSV	13°, 86%, 89%
XYZ	33.9923, 21.0328, 3.5621
YIQ	113.9590, 104.6700, 19.3740

# Conversions

## Conversions Part 2

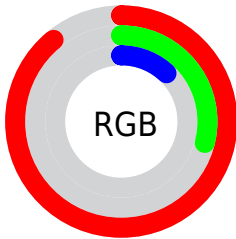
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 85, 31
Decimal	14829855
CIE <sub>Lab</sub>	52.99, 57.56, 54.97
CIE <sub>LCh</sub>	53, 79.594, 43.685
Yxy	21.0328, 0.5802, 0.3590
Android (android.graphics.Color)	4293019935 (0xFFE2491F)
YUV	113.9590, -40.8988, 98.2600
Hunter-Lab	45.8615, 52.0454, 27.4980

# Details

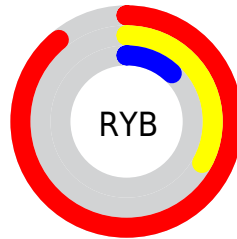
The Yxy color **21.0328, 0.5802, 0.3590** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **40.0385, 0.2102, 0.2679**, and the grayscale version is **16.9172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5546, 0.5032, 0.3737**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9463, 0.6083, 0.3515**, and if you desaturate by 10%, it is **23.8687, 0.5434, 0.3629**.

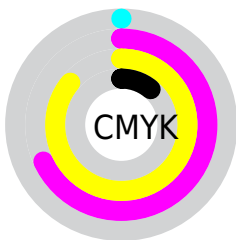
# Distribution



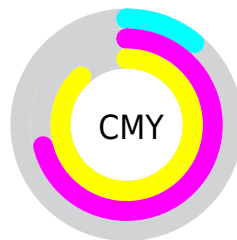
- Red (89%)
- Green (29%)
- Blue (12%)



- Red (89%)
- Yellow (33%)
- Blue (12%)



- Cyan (0%)
- Magenta (68%)
- Yellow (86%)
- Black (11%)




- Cyan (11%)
- Magenta (71%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0328, 0.5802, 0.3590 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 21.0328, 0.5802, 0.3590 by changing the saturation by 10% instead.





 21.0328, 0.5802,  
0.3590


 21.0328, 0.5802,  
0.3590


257.4528, 0.4375,  
0.3614


 13.1480, 0.6133,  
0.3498


 45.1421, 0.5289,  
0.3658

 7.5305, 0.6581,  
0.3360

 62.1354, 0.5092,  
0.3665

 3.7960, 0.6970,  
0.3030

 82.9336, 0.4925,  
0.3663

 1.5601, 0.7476,  
0.2524

 107.9212, 0.4782,  
0.3657

 0.3305, 0.8617,  
0.1383

 137.4825, 0.4659,  
0.3647


 0.0000, 1.0000,  
0.0000

 172.0019, 0.4552,

 0.0000, 0.0000,

0.3637

0.0000


 211.8639, 0.4458,  
0.3625


 21.0328, 0.5802,  
0.3590

 21.0328, 0.5802,  
0.3590


 18.9463, 0.6083,  
0.3515


 23.8687, 0.5434,  
0.3629

 18.3417, 0.6167,  
0.3486

 27.5168, 0.5026,  
0.3631

 32.0366, 0.4623,  
0.3604

 37.4809, 0.4252,  
0.3557

 43.8982, 0.3928,  
0.3501

■ 51.3335, 0.3652,  
0.3440

■ 59.8289, 0.3422,  
0.3381

■ 69.4240, 0.3230,  
0.3324

■ 80.1566, 0.3072,  
0.3271

# Harmonies

## Analogous

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



21.0328, 0.5355, 0.2816



21.0328, 0.5802, 0.3590



21.0328, 0.5295, 0.4482

# Triad

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



21.0328, 0.5802, 0.3590



21.0328, 0.1977, 0.5068



21.0328, 0.1624, 0.1421

# Complementary

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



21.0328, 0.5802, 0.3590



40.0385, 0.2102, 0.2679

# 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.



21.0328, 0.1144, 0.1521



21.0328, 0.5802, 0.3590



21.0328, 0.1251, 0.3250

# Square

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



21.0328, 0.5802, 0.3590



21.0328, 0.3093, 0.6008



21.0328, 0.1017, 0.2040



21.0328, 0.2576, 0.1629



# Rectangle

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



21.0328, 0.5802, 0.3590



21.0328, 0.4646, 0.5150



21.0328, 0.1017, 0.2040



21.0328, 0.1419, 0.1418

# Sweetspot

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



21.0340, 0.5802, 0.3590



67.6309, 0.3649, 0.3440



20.7334, 0.3697, 0.1878



13.7115, 0.3739, 0.3461



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.



21.0340, 0.5802, 0.3590



23.9907, 0.6176, 0.3478



44.0823, 0.4692, 0.4544



14.1772, 0.3287, 0.3341



10.6066, 0.6142, 0.3505



0.8662, 0.5846, 0.3741

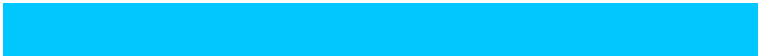


# Inverse Universe

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



40.0385, 0.2102, 0.2679



48.5365, 0.2046, 0.2566



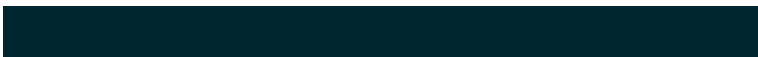
13.0056, 0.1714, 0.1245



15.0445, 0.2982, 0.3238



21.3130, 0.2051, 0.2583



1.6036, 0.2085, 0.2705



# Previews

## White Background



This preview shows how the Yxy color 21.0328, 0.5802, 0.3590 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 21.0328, 0.5802, 0.3590 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 21.0328, 0.5802, 0.3590**

## Background



This preview shows how black text looks on a background with the Yxy color 21.0328, 0.5802, 0.3590.



This preview shows how white text looks on a background with the Yxy color 21.0328, 0.5802, 0.3590.

# 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

21.0328, 0.5802, 0.3590

### Protanopia

21.1114, 0.4196, 0.4614

### Deuteranopia

21.0100, 0.4722, 0.4633



## Tritanopia

21.0550, 0.5433, 0.3270

# Trichromacy



**Original Color**

21.0328, 0.5802, 0.3590

**Protanomaly**

19.5461, 0.4875, 0.4168

**Deuteranomaly**

20.0389, 0.5210, 0.4190

**Tritanomaly**

21.0066, 0.5608, 0.3404

# Monochromacy



**Original Color**

21.0328, 0.5802, 0.3590

**Achromatopsia**

16.8269, 0.3127, 0.3290

**Achromatomaly**

16.5323, 0.4196, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.0328, 0.5802, 0.3590 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(226, 73, 31)` looks like.

```
.text, #text, p{  
    color:rgb(226, 73, 31)  
}
```

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(226, 73, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 73, 31) }
```

## Border

The CSS property to change the border of an element to Yxy 21.0328, 0.5802, 0.3590 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(226, 73, 31) }
```

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

```
.border{ border-color:rgb(226, 73, 31) }
```

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

Here you see how a box with a 4 pixel rgb(226, 73, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 73, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 73, 31);  
box-shadow:4px 4px 4px 4px rgb(226, 73,  
31) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 21.0328, 0.5802, 0.3590$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 73, 31) }
```

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

```
.background{ background-color: rgb(226, 73,  
31) }
```

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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