

Converting Colors

$Yxy(20.9854, 0.5974, 0.3511)$

Have a look what the booklet for
Yxy(20.9854, 0.5974, 0.3511)
contains.

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Color

Yxy(21.1176, 0.5970, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	EA3F19
RGB	234, 63, 25
RGB Percent	92%, 25%, 10%
CMY	0.0823, 0.7530, 0.9017
CMYK	0.00, 0.73, 0.89, 0.08
HSL	11°, 83%, 51%
HSV	11°, 89%, 92%
XYZ	35.8873, 21.1176, 3.1078
YIQ	109.7970, 114.1140, 24.4340

Conversions

Conversions Part 2

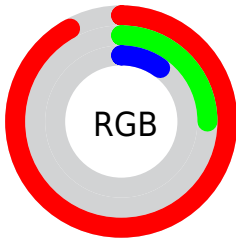
Format	Color
R_{YB}	234, 71, 25
Decimal	15351577
CIE Lab	53.08, 63.64, 57.98
CIE LCh	53, 86.087, 42.337
Yxy	21.1176, 0.5970, 0.3513
Android (android.graphics.Color)	4293541657 (0xFFEA3F19)
YUV	109.7970, -41.8049, 108.9260
Hunter-Lab	45.9539, 58.9787, 28.1580

Details

The Yxy color **21.1176, 0.5970, 0.3513** 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 **45.6618, 0.2116, 0.2759**, and the grayscale version is **15.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6871, 0.5148, 0.3714**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.2872, 0.6214, 0.3440**, and if you desaturate by 10%, it is **23.7681, 0.5620, 0.3562**.

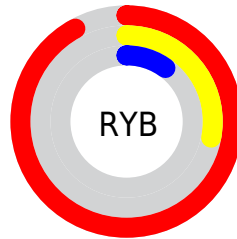
Distribution



Red (92%)

Green (25%)

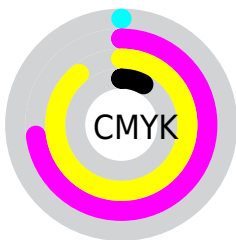
Blue (10%)



Red (92%)

Yellow (28%)

Blue (10%)

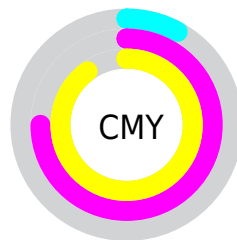


Cyan (0%)

Magenta (73%)

Yellow (89%)

Black (8%)



Cyan (8%)


Magenta (75%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1176, 0.5970, 0.3513 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 21.1176, 0.5970, 0.3513 by changing the saturation by 10% instead.


 21.1176, 0.5970,
0.3513


 21.1176, 0.5970,
0.3513


257.9028, 0.4471,
0.3604


 13.2100, 0.6306,
0.3398


 45.2832, 0.5439,
0.3612


 7.5733, 0.6766,
0.3234


 62.3099, 0.5232,
0.3629

 3.8232, 0.7131,
0.2869

 83.1452, 0.5056,
0.3635

 1.5751, 0.7651,
0.2349

 108.1733, 0.4904,
0.3634

 0.3407, 0.8738,
0.1262

 137.7788, 0.4773,
0.3629


 0.0000, 1.0000,
0.0000


 172.3459, 0.4659,


 0.0000, 0.0000,

0.3622


0.0000


 212.2591, 0.4559,
0.3613


 21.1176, 0.5970,
0.3513

 21.1176, 0.5970,
0.3513


 19.2872, 0.6214,
0.3440


 23.7681, 0.5620,
0.3562

 19.1842, 0.6229,
0.3436

 27.3259, 0.5208,
0.3577

 31.8672, 0.4784,
0.3563

 37.4590, 0.4387,
0.3529

 44.1622, 0.4037,
0.3483

■ 52.0329, 0.3739,
0.3433

■ 61.1236, 0.3490,
0.3382

■ 71.4834, 0.3285,
0.3333

■ 83.1586, 0.3116,
0.3287

Harmonies

Analogous

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



21.1176, 0.5473, 0.2730



21.1176, 0.5970, 0.3513



21.1176, 0.5425, 0.4435

Triad

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



21.1176, 0.5970, 0.3513



21.1176, 0.1923, 0.5321



21.1176, 0.1508, 0.1325

Complementary

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



21.1176, 0.5970, 0.3513



45.6618, 0.2116, 0.2759

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.



21.1176, 0.1036, 0.1436



21.1176, 0.5970, 0.3513



21.1176, 0.1160, 0.3304

Square

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



21.1176, 0.5970, 0.3513



21.1176, 0.3090, 0.6225



21.1176, 0.0917, 0.1984



21.1176, 0.2473, 0.1526

Rectangle

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



21.1176, 0.5970, 0.3513



21.1176, 0.4739, 0.5167



21.1176, 0.0917, 0.1984



21.1176, 0.1305, 0.1325

Sweetspot

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



21.1189, 0.5970, 0.3513



65.4973, 0.3681, 0.3422



22.3238, 0.3626, 0.1814



13.2582, 0.3774, 0.3439



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.



21.1189, 0.5970, 0.3513



23.2371, 0.6235, 0.3431



44.2441, 0.4810, 0.4485



15.4963, 0.3288, 0.3333



10.9103, 0.6207, 0.3454



0.9829, 0.5956, 0.3653

Inverse Universe

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



45.6618, 0.2116, 0.2759



52.6763, 0.2080, 0.2686



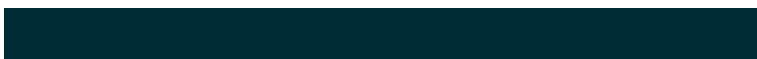
14.2810, 0.1707, 0.1262



16.6297, 0.2981, 0.3246



24.5748, 0.2083, 0.2700



2.0507, 0.2109, 0.2790

Previews

White Background



This preview shows how the Yxy color 21.1176, 0.5970, 0.3513 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 21.1176, 0.5970, 0.3513 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 21.1176, 0.5970, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 21.1176, 0.5970, 0.3513.



This preview shows how white text looks on a background with the Yxy color 21.1176, 0.5970, 0.3513.

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

21.1176, 0.5970, 0.3513

Protanopia

21.4381, 0.4219, 0.4651

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1270, 0.5698, 0.3283

Trichromacy



Original Color

21.1176, 0.5970, 0.3513

Protanomaly

19.2521, 0.4981, 0.4141

Deuteranomaly

19.8254, 0.5289, 0.4137

Tritanomaly

21.1073, 0.5829, 0.3379

Monochromacy



Original Color

21.1176, 0.5970, 0.3513

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3618, 0.4324, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1176, 0.5970, 0.3513 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(234, 63, 25)` looks like.

```
.text, #text, p{  
  color:rgb(234, 63, 25)  
}
```

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(234, 63, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 63, 25) }
```

Border

The CSS property to change the border of an element to Yxy 21.1176, 0.5970, 0.3513 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(234, 63, 25) }
```

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

```
.border{ border-color:rgb(234, 63, 25) }
```

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

Here you see how a box with a 4 pixel rgb(234, 63, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 63, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 63, 25);  
box-shadow:4px 4px 4px 4px rgb(234, 63,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1176, 0.5970, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 63, 25) }
```

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

```
.background{ background-color: rgb(234, 63,  
25) }
```

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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