

Converting Colors

$Y_{xy}(21.7262, 0.5910, 0.3582)$

Have a look what the booklet for
Yxy(21.7262, 0.5910, 0.3582)
contains.

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Color

Yxy(21.7619, 0.5914, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	E94616
RGB	233, 70, 22
RGB Percent	91%, 27%, 9%
CMY	0.0863, 0.7254, 0.9134
CMYK	0.00, 0.70, 0.91, 0.09
HSL	14°, 83%, 50%
HSV	14°, 91%, 91%
XYZ	35.9396, 21.7619, 3.0689
YIQ	113.2650, 112.5560, 19.6280

Conversions

Conversions Part 2

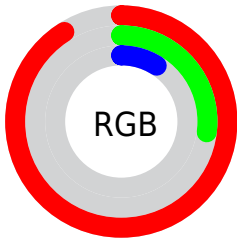
Format	Color
R_{YB}	233, 84, 22
Decimal	15287830
CIE _{Lab}	53.77, 60.81, 59.43
CIE _{LCh}	54, 85.033, 44.343
Yxy	21.7619, 0.5914, 0.3581
Android (android.graphics.Color)	4293477910 (0xFFE94616)
YUV	113.2650, -44.9936, 105.0076
Hunter-Lab	46.6497, 55.8824, 28.7543

Details

The Yxy color **21.7619, 0.5914, 0.3581** 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 **40.7782, 0.2071, 0.2607**, and the grayscale version is **16.7116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9332, 0.5110, 0.3770**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8654, 0.6147, 0.3501**, and if you desaturate by 10%, it is **24.4976, 0.5580, 0.3638**.

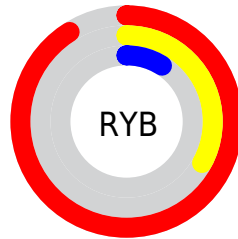
Distribution



Red (91%)

Green (27%)

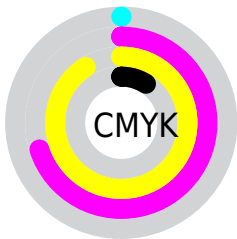
Blue (9%)



Red (91%)

Yellow (33%)

Blue (9%)

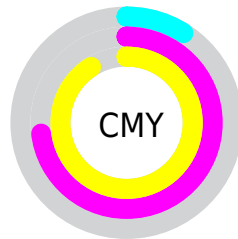


Cyan (0%)

Magenta (70%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (73%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7619, 0.5914, 0.3581 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 21.7619, 0.5914, 0.3581 by changing the saturation by 10% instead.

 21.7619, 0.5914,
0.3581


 21.7619, 0.5914,
0.3581


261.3003, 0.4455,
0.3636

 13.6821, 0.6238,
0.3475


 46.3522, 0.5400,
0.3667

 7.8999, 0.6677,
0.3323


 63.6313, 0.5199,
0.3678

 4.0309, 0.7027,
0.2973

 84.7458, 0.5027,
0.3680

 1.6909, 0.7527,
0.2473

 110.0798, 0.4879,
0.3675

 0.4177, 0.8501,
0.1499

 140.0179, 0.4751,
0.3668

 0.0000, 1.0000,
0.0000


 174.9445, 0.4639,


 0.0000, 0.0000,

0.3658

0.0000


 215.2438, 0.4541,
0.3647


 21.7619, 0.5914,
0.3581


 21.7619, 0.5914,
0.3581


 19.8654, 0.6147,
0.3501

 24.4976, 0.5580,
0.3638

 28.0611, 0.5187,
0.3655

 32.5169, 0.4781,
0.3637

 37.9219, 0.4398,
0.3595

 44.3280, 0.4056,
0.3538

■ 51.7831, 0.3761,
0.3476

■ 60.3322, 0.3514,
0.3412

■ 70.0173, 0.3307,
0.3351

■ 80.8784, 0.3135,
0.3293

Harmonies

Analogous

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



21.7619, 0.5495, 0.2796



21.7619, 0.5914, 0.3581



21.7619, 0.5338, 0.4505

Triad

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



21.7619, 0.5914, 0.3581



21.7619, 0.1885, 0.5146



21.7619, 0.1580, 0.1357

Complementary

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



21.7619, 0.5914, 0.3581



40.7782, 0.2071, 0.2607

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.



21.7619, 0.1083, 0.1446



21.7619, 0.5914, 0.3581



21.7619, 0.1162, 0.3194

Square

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



21.7619, 0.5914, 0.3581



21.7619, 0.3026, 0.6163



21.7619, 0.0944, 0.1955



21.7619, 0.2572, 0.1575

Rectangle

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



21.7619, 0.5914, 0.3581



21.7619, 0.4648, 0.5219



21.7619, 0.0944, 0.1955



21.7619, 0.1367, 0.1350

Sweetspot

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



21.7632, 0.5914, 0.3581



66.9577, 0.3672, 0.3454



21.5006, 0.3780, 0.1895



13.5945, 0.3762, 0.3476



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.



21.7632, 0.5914, 0.3581



24.2815, 0.6154, 0.3495



47.3595, 0.4712, 0.4579



15.6094, 0.3287, 0.3344



11.4259, 0.6122, 0.3521



1.0390, 0.5857, 0.3731

Inverse Universe

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



40.7782, 0.2071, 0.2607



47.1735, 0.2035, 0.2524



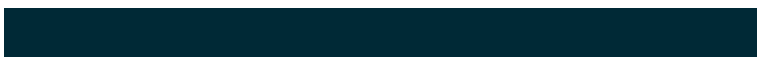
12.0643, 0.1662, 0.1111



16.5075, 0.2981, 0.3235



22.0660, 0.2039, 0.2541



1.8744, 0.2071, 0.2657

Previews

White Background



This preview shows how the Yxy color 21.7619, 0.5914, 0.3581 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 21.7619, 0.5914, 0.3581 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 21.7619, 0.5914, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 21.7619, 0.5914, 0.3581.



This preview shows how white text looks on a background with the Yxy color 21.7619, 0.5914, 0.3581.

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

21.7619, 0.5914, 0.3581

Protanopia

21.8538, 0.4259, 0.4686

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.8062, 0.5556, 0.3281

Trichromacy



Original Color

21.7619, 0.5914, 0.3581

Protanomaly

20.1765, 0.4955, 0.4209

Deuteranomaly

20.4094, 0.5246, 0.4177

Tritanomaly

21.7458, 0.5737, 0.3415

Monochromacy



Original Color

21.7619, 0.5914, 0.3581

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2967, 0.4302, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7619, 0.5914, 0.3581 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(233, 70, 22)` looks like.

```
.text, #text, p{  
  color:rgb(233, 70, 22)  
}
```

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(233, 70, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 70, 22) }
```

Border

The CSS property to change the border of an element to Yxy 21.7619, 0.5914, 0.3581 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(233, 70, 22) }
```

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

```
.border{ border-color:rgb(233, 70, 22) }
```

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

Here you see how a box with a 4 pixel rgb(233, 70, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 70, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 70, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 70,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7619, 0.5914, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 70, 22) }
```

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

```
.background{ background-color: rgb(233, 70,  
22) }
```

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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