

Converting Colors

$Yxy(18.9447, 0.6048, 0.3461)$

Have a look what the booklet for
Yxy(18.9447, 0.6048, 0.3461)
contains.

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Color

Yxy(18.9350, 0.6050, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	E33516
RGB	227, 53, 22
RGB Percent	89%, 21%, 9%
CMY	0.1099, 0.7919, 0.9138
CMYK	0.00, 0.77, 0.90, 0.11
HSL	9°, 82%, 49%
HSV	9°, 90%, 89%
XYZ	33.0898, 18.9350, 2.6691
YIQ	101.4920, 113.6550, 27.2470

Conversions

Conversions Part 2

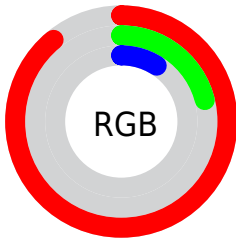
Format	Color
R_{YB}	227, 59, 22
Decimal	14890262
CIE _{Lab}	50.61, 64.62, 56.75
CIE _{LCh}	51, 86.003, 41.288
Yxy	18.9350, 0.6050, 0.3462
Android (android.graphics.Color)	4293080342 (0xFFE33516)
YUV	101.4920, -39.1896, 110.0705
Hunter-Lab	43.5144, 59.5872, 26.8234

Details

The Yxy color **18.9350, 0.6050, 0.3462** 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 **45.1461, 0.2137, 0.2846**, and the grayscale version is **13.2368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5381, 0.5257, 0.3649**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4940, 0.6272, 0.3402**, and if you desaturate by 10%, it is **21.1895, 0.5709, 0.3509**.

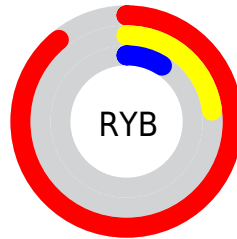
Distribution



Red (89%)

Green (21%)

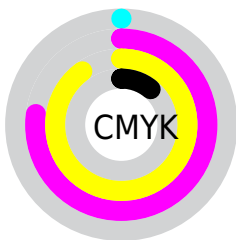
Blue (9%)



Red (89%)

Yellow (23%)

Blue (9%)

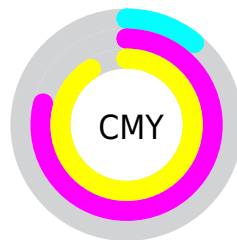


Cyan (0%)

Magenta (77%)

Yellow (90%)

Black (11%)



Cyan (11%)


Magenta (79%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9350, 0.6050, 0.3462 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 18.9350, 0.6050, 0.3462 by changing the saturation by 10% instead.


 18.9350, 0.6050,
0.3462


 18.9350, 0.6050,
0.3462


246.0897, 0.4487,
0.3588


 11.6233, 0.6404,
0.3330


 41.6242, 0.5492,
0.3579

 6.4877, 0.6869,
0.3131


 57.7706, 0.5276,
0.3601


 3.1439, 0.7269,
0.2731


 77.6306, 0.5092,
0.3610

 1.2073, 0.7841,
0.2159

 101.5887, 0.4934,
0.3612

 0.0676, 0.9660,
0.0340

 130.0293, 0.4799,
0.3609

 0.0000, 1.0000,
0.0000


 163.3367, 0.4681,


 0.0000, 0.0000,


0.3603


0.0000


 201.8954, 0.4578,
0.3596


 18.9350, 0.6050,
0.3462


 18.9350, 0.6050,
0.3462

 17.4940, 0.6272,
0.3402

 21.1895, 0.5709,
0.3509

 24.3171, 0.5292,
0.3527

 28.3980, 0.4856,
0.3519

 33.5021, 0.4445,
0.3493

 39.6927, 0.4081,
0.3456

■ 47.0279, 0.3772,
0.3414

■ 55.5617, 0.3516,
0.3371

■ 65.3446, 0.3305,
0.3330

■ 76.4243, 0.3132,
0.3291

Harmonies

Analogous

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



18.9350, 0.5511, 0.2677



18.9350, 0.6050, 0.3462



18.9350, 0.5506, 0.4399

Triad

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



18.9350, 0.6050, 0.3462



18.9350, 0.1912, 0.5474



18.9350, 0.1444, 0.1281

Complementary

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



18.9350, 0.6050, 0.3462



45.1461, 0.2137, 0.2846

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.



18.9350, 0.0983, 0.1401



18.9350, 0.6050, 0.3462



18.9350, 0.1125, 0.3360

Square

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



18.9350, 0.6050, 0.3462



18.9350, 0.3103, 0.6321



18.9350, 0.0872, 0.1971



18.9350, 0.2405, 0.1473

Rectangle

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



18.9350, 0.6050, 0.3462



18.9350, 0.4811, 0.5165



18.9350, 0.0872, 0.1971



18.9350, 0.1245, 0.1283

Sweetspot

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



18.9362, 0.6050, 0.3462



64.5575, 0.3687, 0.3400



20.8952, 0.3584, 0.1786



13.0424, 0.3781, 0.3415



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.



18.9362, 0.6050, 0.3462



22.6889, 0.6280, 0.3396



39.9021, 0.4861, 0.4451



14.7189, 0.3289, 0.3326



10.3110, 0.6253, 0.3417



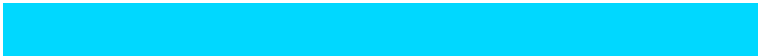
0.8717, 0.6006, 0.3613

Inverse Universe

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



45.1461, 0.2137, 0.2846



56.5052, 0.2109, 0.2791



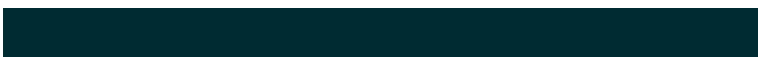
13.6724, 0.1711, 0.1288



15.9444, 0.2981, 0.3253



25.5085, 0.2112, 0.2802



1.9863, 0.2134, 0.2881

Previews

White Background



This preview shows how the Yxy color 18.9350, 0.6050, 0.3462 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 18.9350, 0.6050, 0.3462 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 18.9350, 0.6050, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 18.9350, 0.6050, 0.3462.



This preview shows how white text looks on a background with the Yxy color 18.9350, 0.6050, 0.3462.

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

18.9350, 0.6050, 0.3462

Protanopia

19.0489, 0.4231, 0.4648

Deuteranopia

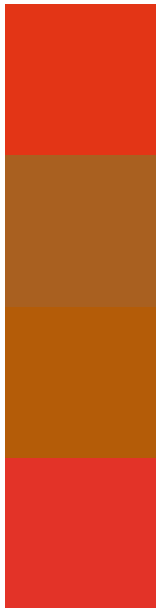
19.0338, 0.4704, 0.4647



Tritanopia

18.8511, 0.5834, 0.3291

Trichromacy



Original Color

18.9350, 0.6050, 0.3462

Protanomaly

16.9050, 0.5045, 0.4099

Deuteranomaly

17.3751, 0.5345, 0.4093

Tritanomaly

18.8517, 0.5938, 0.3367

Monochromacy



Original Color

18.9350, 0.6050, 0.3462

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0247, 0.4389, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9350, 0.6050, 0.3462 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(227, 53, 22)` looks like.

```
.text, #text, p{  
  color:rgb(227, 53, 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(227, 53, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 53, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.9350, 0.6050, 0.3462 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(227, 53, 22) }
```

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

```
.border{ border-color:rgb(227, 53, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 53, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 53, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 53, 22);  
box-shadow:4px 4px 4px 4px rgb(227, 53,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9350, 0.6050, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 53, 22) }
```

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

```
.background{ background-color: rgb(227, 53,  
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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