

Converting Colors

$Y_{xy}(19.2291, 0.5580, 0.3155)$

Have a look what the booklet for
Yxy(19.2291, 0.5580, 0.3155)
contains.

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Color

Yxy(19.2291, 0.5580, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	E33446
RGB	227, 52, 70
RGB Percent	89%, 20%, 27%
CMY	0.1098, 0.7959, 0.7256
CMYK	0.00, 0.77, 0.69, 0.11
HSL	354°, 76%, 55%
HSV	354°, 77%, 89%
XYZ	34.0090, 19.2291, 7.7099
YIQ	106.3770, 98.5220, 42.6980

Conversions

Conversions Part 2

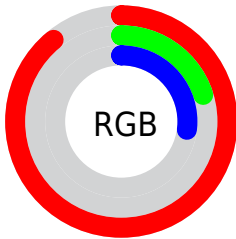
Format	Color
R_{YB}	227, 52, 70
Decimal	14890054
CIE Lab	50.95, 66.37, 32.70
CIE LCh	51, 73.988, 26.226
Yxy	19.2291, 0.5580, 0.3155
Android (android.graphics.Color)	4293080134 (0xFFE33446)
YUV	106.3770, -17.9339, 105.7864
Hunter-Lab	43.8510, 61.6979, 20.2713

Details

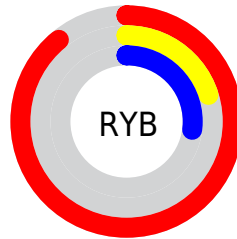
The Yxy color **19.2291, 0.5580, 0.3155** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **60.2687, 0.2369, 0.3534**, and the grayscale version is **14.5562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3783, 0.4760, 0.3246**, and **7.9716, 0.6145, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **17.4514, 0.5970, 0.3187**, and if you desaturate by 10%, it is **22.0696, 0.5132, 0.3143**.

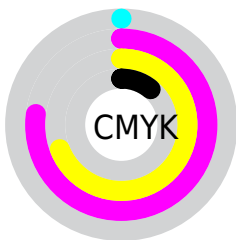
Distribution



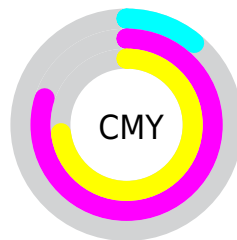
- Red (89%)
- Green (20%)
- Blue (27%)



- Red (89%)
- Yellow (20%)
- Blue (27%)



- Cyan (0%)
- Magenta (77%)
- Yellow (69%)
- Black (11%)





- Cyan (11%)
- Magenta (80%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2291, 0.5580, 0.3155 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 19.2291, 0.5580, 0.3155 by changing the saturation by 10% instead.


 19.2291, 0.5580,
0.3155


 19.2291, 0.5580,
0.3155


247.7106, 0.4197,
0.3335

 11.8359, 0.5956,
0.3056


 42.1209, 0.5048,
0.3257

 6.6321, 0.6439,
0.2893


 58.3883, 0.4856,
0.3283


 3.2331, 0.7156,
0.2648

 78.3825, 0.4697,
0.3301

 1.2546, 0.7867,
0.2133

 102.4880, 0.4564,
0.3314

 0.1056, 0.9513,
0.0487

 131.0892, 0.4452,
0.3322

 0.0000, 1.0000,
0.0000

164.5704, 0.4355,

 0.0000, 0.0000,

0.3328

0.0000

203.3161, 0.4271,
0.3332

■ 19.2291, 0.5580,
0.3155

■ 19.2291, 0.5580,
0.3155

■ 17.4514, 0.5970,
0.3187

■ 22.0696, 0.5132,
0.3143

■ 16.5631, 0.6241,
0.3233


■ 26.1005, 0.4686,
0.3149


■ 16.3920, 0.6299,
0.3244


■ 31.4353, 0.4282,
0.3166


■ 38.1731, 0.3937,
0.3191

■ 46.4035, 0.3652,
0.3218

 56.2087, 0.3421,
0.3246

 67.6649, 0.3236,
0.3272

 80.8431, 0.3087,
0.3297

 94.9612, 0.2967,
0.3306

Harmonies

Analogous

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



19.2291, 0.4575, 0.2430



19.2291, 0.5580, 0.3155



19.2291, 0.5606, 0.3955

Triad

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



19.2291, 0.5580, 0.3155



19.2291, 0.2641, 0.5703



19.2291, 0.1348, 0.1492

Complementary

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



19.2291, 0.5580, 0.3155



60.2687, 0.2369, 0.3534

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.



19.2291, 0.1086, 0.1812



19.2291, 0.5580, 0.3155



19.2291, 0.1668, 0.4258

Square

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



19.2291, 0.5580, 0.3155



19.2291, 0.3795, 0.5727



19.2291, 0.1162, 0.2678



19.2291, 0.1998, 0.1523

Rectangle

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



19.2291, 0.5580, 0.3155



19.2291, 0.5175, 0.4558



19.2291, 0.1162, 0.2678



19.2291, 0.1222, 0.1553

Sweetspot

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



19.2303, 0.5580, 0.3155



65.1795, 0.3555, 0.3229



21.2093, 0.2982, 0.1553



13.0048, 0.3644, 0.3219



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.



19.2303, 0.5580, 0.3155



21.9599, 0.6137, 0.3212



29.7952, 0.5142, 0.3938



14.3919, 0.3276, 0.3266



9.5689, 0.6278, 0.3232



0.7153, 0.5998, 0.3078

Inverse Universe

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



19.2303, 0.5580, 0.3155



21.9599, 0.6137, 0.3212



31.3917, 0.2040, 0.2300



14.3919, 0.3276, 0.3266



9.5689, 0.6278, 0.3232



0.7153, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 19.2291, 0.5580, 0.3155 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 19.2291, 0.5580, 0.3155 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 19.2291, 0.5580, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 19.2291, 0.5580, 0.3155.



This preview shows how white text looks on a background with the Yxy color 19.2291, 0.5580, 0.3155.

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

19.2291, 0.5580, 0.3155

Protanopia

19.5094, 0.3538, 0.3777

Deuteranopia

19.3011, 0.4278, 0.4205



Tritanopia

19.3488, 0.5741, 0.3290

Trichromacy



Original Color

19.2291, 0.5580, 0.3155

Protanomaly

17.2368, 0.4306, 0.3450

Deuteranomaly

17.6638, 0.4843, 0.3688

Tritanomaly

19.3061, 0.5687, 0.3245

Monochromacy



Original Color

19.2291, 0.5580, 0.3155

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.9299, 0.4072, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2291, 0.5580, 0.3155 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, 52, 70)` looks like.

```
.text, #text, p{  
    color:rgb(227, 52, 70)  
}
```

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, 52, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 52, 70) }
```

Border

The CSS property to change the border of an element to Yxy 19.2291, 0.5580, 0.3155 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, 52, 70) }
```

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

```
.border{ border-color:rgb(227, 52, 70) }
```

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

Here you see how a box with a 4 pixel rgb(227, 52, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 52, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 52, 70);  
box-shadow:4px 4px 4px 4px rgb(227, 52,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2291, 0.5580, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 52, 70) }
```

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

```
.background{ background-color: rgb(227, 52,  
70) }
```

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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