

Converting Colors

$Y_{xy}(19.2395, 0.6125, 0.3427)$

Have a look what the booklet for
Yxy(19.2395, 0.6125, 0.3427)
contains.

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Color

Yxy(19.2359, 0.6127, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	E82F13
RGB	232, 47, 19
RGB Percent	91%, 18%, 7%
CMY	0.0902, 0.8156, 0.9254
CMYK	0.00, 0.80, 0.92, 0.09
HSL	8°, 85%, 49%
HSV	8°, 92%, 91%
XYZ	34.4112, 19.2359, 2.5161
YIQ	99.1230, 119.2480, 30.5120

Conversions

Conversions Part 2

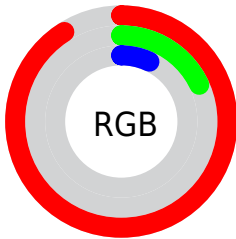
Format	Color
R_{YB}	232, 51, 19
Decimal	15216403
CIE _{Lab}	50.96, 67.73, 58.49
CIE _{LCh}	51, 89.488, 40.810
Yxy	19.2359, 0.6127, 0.3425
Android (android.graphics.Color)	4293406483 (0xFFE82F13)
YUV	99.1230, -39.5006, 116.5331
Hunter-Lab	43.8588, 63.2968, 27.2997

Details

The Yxy color **19.2359, 0.6127, 0.3425** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **49.1405, 0.2149, 0.2900**, and the grayscale version is **12.5936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8541, 0.5302, 0.3635**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1092, 0.6300, 0.3380**, and if you desaturate by 10%, it is **21.3589, 0.5805, 0.3472**.

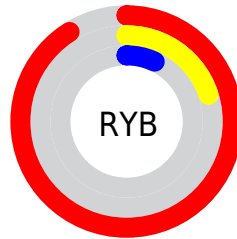
Distribution



Red (91%)

Green (18%)

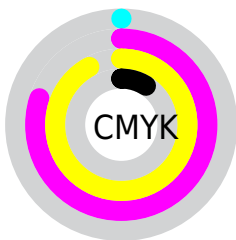
Blue (7%)



Red (91%)

Yellow (20%)

Blue (7%)

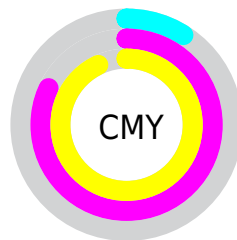


Cyan (0%)

Magenta (80%)

Yellow (92%)

Black (9%)



Cyan (9%)


Magenta (82%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2359, 0.6127, 0.3425 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 19.2359, 0.6127, 0.3425 by changing the saturation by 10% instead.


 19.2359, 0.6127,
0.3425


 19.2359, 0.6127,
0.3425


247.7480, 0.4536,
0.3584


 11.8409, 0.6481,
0.3283


 42.1323, 0.5564,
0.3557


 6.6354, 0.6932,
0.3068


 58.4025, 0.5344,
0.3583


 3.2352, 0.7334,
0.2666

 78.3999, 0.5157,
0.3596

 1.2557, 0.7903,
0.2097

 102.5088, 0.4996,
0.3601

 0.1065, 0.9523,
0.0477

 131.1137, 0.4857,
0.3601

 0.0000, 1.0000,
0.0000


 164.5989, 0.4736,


 0.0000, 0.0000,


0.3597


0.0000


 203.3489, 0.4629,
0.3591


 19.2359, 0.6127,
0.3425

 19.2359, 0.6127,
0.3425


 18.1092, 0.6300,
0.3380


 21.3589, 0.5805,
0.3472

 24.4104, 0.5392,
0.3493

 28.4840, 0.4948,
0.3491


 33.6603, 0.4523,
0.3471

 40.0120, 0.4144,
0.3440

 47.6056, 0.3822,
0.3403

 56.5023, 0.3554,
0.3366

 66.7597, 0.3335,
0.3330

 78.4315, 0.3156,
0.3296

Harmonies

Analogous

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



19.2359, 0.5568, 0.2639



19.2359, 0.6127, 0.3425



19.2359, 0.5568, 0.4379

Triad

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



19.2359, 0.6127, 0.3425



19.2359, 0.1881, 0.5597



19.2359, 0.1394, 0.1238

Complementary

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



19.2359, 0.6127, 0.3425



49.1405, 0.2149, 0.2900

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.



19.2359, 0.0937, 0.1361



19.2359, 0.6127, 0.3425



19.2359, 0.1082, 0.3383

Square

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



19.2359, 0.6127, 0.3425



19.2359, 0.3091, 0.6415



19.2359, 0.0827, 0.1942



19.2359, 0.2361, 0.1428

Rectangle

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



19.2359, 0.6127, 0.3425



19.2359, 0.4840, 0.5160



19.2359, 0.0827, 0.1942



19.2359, 0.1196, 0.1242

Sweetspot

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



19.2371, 0.6127, 0.3425



62.8400, 0.3718, 0.3390



22.1330, 0.3500, 0.1730



12.4803, 0.3842, 0.3406



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.



19.2371, 0.6127, 0.3425



22.3779, 0.6305, 0.3376



39.1269, 0.4966, 0.4381



14.6720, 0.3289, 0.3322



10.1562, 0.6281, 0.3395



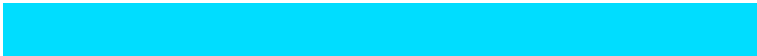
0.8494, 0.6053, 0.3576

Inverse Universe

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



49.1405, 0.2149, 0.2900



59.1761, 0.2128, 0.2860



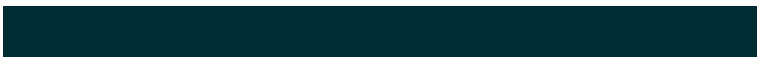
15.2056, 0.1723, 0.1347



15.9959, 0.2982, 0.3258



26.6845, 0.2131, 0.2870



2.0622, 0.2149, 0.2937

Previews

White Background



This preview shows how the Yxy color 19.2359, 0.6127, 0.3425 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 19.2359, 0.6127, 0.3425 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 19.2359, 0.6127, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 19.2359, 0.6127, 0.3425.



This preview shows how white text looks on a background with the Yxy color 19.2359, 0.6127, 0.3425.

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

19.2359, 0.6127, 0.3425

Protanopia

19.3710, 0.4239, 0.4663

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.2144, 0.5962, 0.3304

Trichromacy



Original Color

19.2359, 0.6127, 0.3425

Protanomaly

17.0488, 0.5107, 0.4080

Deuteranomaly

17.4426, 0.5382, 0.4069

Tritanomaly

19.2311, 0.6034, 0.3358

Monochromacy



Original Color

19.2359, 0.6127, 0.3425

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3826, 0.4480, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2359, 0.6127, 0.3425 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(232, 47, 19)` looks like.

```
.text, #text, p{  
  color:rgb(232, 47, 19)  
}
```

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(232, 47, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 47, 19) }
```

Border

The CSS property to change the border of an element to Yxy 19.2359, 0.6127, 0.3425 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(232, 47, 19) }
```

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

```
.border{ border-color:rgb(232, 47, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 47, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 47, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 47, 19);  
box-shadow:4px 4px 4px 4px rgb(232, 47,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2359, 0.6127, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 47, 19) }
```

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

```
.background{ background-color: rgb(232, 47,  
19) }
```

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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