

Converting Colors

$Y_{xy}(18.3153, 0.6137, 0.3351)$

Have a look what the booklet for
Yxy(18.3153, 0.6137, 0.3351)
contains.

Yxy(18.2884, 0.6139, 0.3349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.2884, 0.6139, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	E6261B
RGB	230, 38, 27
RGB Percent	90%, 15%, 11%
CMY	0.0980, 0.8509, 0.8944
CMYK	0.00, 0.83, 0.88, 0.10
HSL	3°, 80%, 50%
HSV	3°, 88%, 90%
XYZ	33.5242, 18.2884, 2.7960
YIQ	94.1540, 117.9630, 37.2830

Conversions

Conversions Part 2

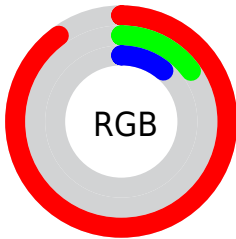
Format	Color
R_{YB}	230, 39, 27
Decimal	15083035
CIE Lab	49.84, 69.46, 54.52
CIE LCh	50, 88.303, 38.128
Yxy	18.2884, 0.6139, 0.3349
Android (android.graphics.Color)	4293273115 (0xFFE6261B)
YUV	94.1540, -33.1069, 119.1369
Hunter-Lab	42.7649, 65.0906, 26.0591

Details

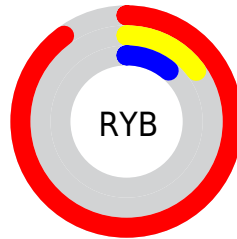
The Yxy color **18.2884, 0.6139, 0.3349** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **56.5659, 0.2221, 0.3138**, and the grayscale version is **11.2915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6686, 0.5309, 0.3542**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2107, 0.6346, 0.3325**, and if you desaturate by 10%, it is **20.2600, 0.5787, 0.3368**.

Distribution



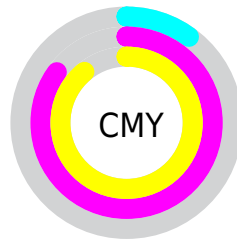
- Red (90%)
- Green (15%)
- Blue (11%)



- Red (90%)
- Yellow (15%)
- Blue (11%)



- Cyan (0%)
- Magenta (83%)
- Yellow (88%)
- Black (10%)





- Cyan (10%)
- Magenta (85%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2884, 0.6139, 0.3349 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 18.2884, 0.6139, 0.3349 by changing the saturation by 10% instead.


 18.2884, 0.6139,
0.3349


 18.2884, 0.6139,
0.3349


242.4916, 0.4515,
0.3536


 11.1572, 0.6513,
0.3203


 40.5281, 0.5555,
0.3488

 6.1727, 0.7012,
0.2988

 56.4055, 0.5330,
0.3518

 2.9504, 0.7433,
0.2567

 75.9671, 0.5139,
0.3534

 1.1059, 0.8027,
0.1973

 99.5972, 0.4976,
0.3542

 0.0000, 1.0000,
0.0000


 127.6804, 0.4836,
0.3544


 0.0000, 0.0000,
0.0000


 160.6009, 0.4714,

0.3543


 198.7432, 0.4608,
0.3540


 18.2884, 0.6139,
0.3349


 18.2884, 0.6139,
0.3349


 17.2107, 0.6346,
0.3325


 20.2600, 0.5787,
0.3368

 17.0999, 0.6370,
0.3324

 23.2641, 0.5342,
0.3375

 27.4175, 0.4874,
0.3373

 32.8202, 0.4436,
0.3363

 39.5617, 0.4055,
0.3349

■ 47.7230, 0.3737,
0.3333

■ 57.3788, 0.3478,
0.3317

■ 68.5985, 0.3269,
0.3302

■ 81.4473, 0.3101,
0.3288

Harmonies

Analogous

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



18.2884, 0.5461, 0.2568



18.2884, 0.6139, 0.3349



18.2884, 0.5654, 0.4281

Triad

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



18.2884, 0.6139, 0.3349



18.2884, 0.1975, 0.5773



18.2884, 0.1332, 0.1232

Complementary

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



18.2884, 0.6139, 0.3349



56.5659, 0.2221, 0.3138

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.



18.2884, 0.0910, 0.1386



18.2884, 0.6139, 0.3349



18.2884, 0.1123, 0.3566

Square

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



18.2884, 0.6139, 0.3349



18.2884, 0.3203, 0.6390



18.2884, 0.0829, 0.2024



18.2884, 0.2246, 0.1395

Rectangle

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



18.2884, 0.6139, 0.3349



18.2884, 0.4949, 0.5051



18.2884, 0.0829, 0.2024



18.2884, 0.1147, 0.1244

Sweetspot

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



18.2895, 0.6139, 0.3349



62.7605, 0.3677, 0.3329



22.7635, 0.3321, 0.1646



12.5894, 0.3776, 0.3335



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.



18.2895, 0.6139, 0.3349



21.5719, 0.6374, 0.3321



35.2580, 0.5068, 0.4254



14.4935, 0.3291, 0.3303



9.7357, 0.6360, 0.3332



0.7642, 0.6247, 0.3421

Inverse Universe

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



56.5659, 0.2221, 0.3138



70.1790, 0.2199, 0.3116



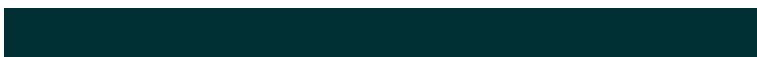
18.9765, 0.1806, 0.1613



16.1945, 0.2982, 0.3277



31.5202, 0.2200, 0.3119



2.3707, 0.2207, 0.3146

Previews

White Background



This preview shows how the Yxy color 18.2884, 0.6139, 0.3349 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2884, 0.6139, 0.3349 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 18.2884, 0.6139, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 18.2884, 0.6139, 0.3349.



This preview shows how white text looks on a background with the Yxy color 18.2884, 0.6139, 0.3349.

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

18.2884, 0.6139, 0.3349

Protanopia

18.6089, 0.4148, 0.4577

Deuteranopia

18.3896, 0.4711, 0.4641



Tritanopia

18.2675, 0.6085, 0.3309

Trichromacy



Original Color

18.2884, 0.6139, 0.3349

Protanomaly

15.7771, 0.5071, 0.3969

Deuteranomaly

16.3808, 0.5434, 0.4009

Tritanomaly

18.2504, 0.6109, 0.3323

Monochromacy



Original Color

18.2884, 0.6139, 0.3349

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1794, 0.4479, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2884, 0.6139, 0.3349 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(230, 38, 27)` looks like.

```
.text, #text, p{  
    color:rgb(230, 38, 27)  
}
```

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(230, 38, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 38, 27) }
```

Border

The CSS property to change the border of an element to Yxy 18.2884, 0.6139, 0.3349 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(230, 38, 27) }
```

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

```
.border{ border-color:rgb(230, 38, 27) }
```

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

Here you see how a box with a 4 pixel rgb(230, 38, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 38, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 38, 27);  
box-shadow:4px 4px 4px 4px rgb(230, 38,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2884, 0.6139, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 38, 27) }
```

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

```
.background{ background-color: rgb(230, 38,  
27) }
```

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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