

# Converting Colors

$Yxy(18.4187, 0.5876, 0.3462)$

Have a look what the booklet for  
Yxy(18.4187, 0.5876, 0.3462)  
contains.

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# Color

**Yxy(18.4649, 0.5883, 0.3461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC3B23
RGB	220, 59, 35
RGB Percent	86%, 23%, 14%
CMY	0.1372, 0.7687, 0.8627
CMYK	0.00, 0.73, 0.84, 0.14
HSL	8°, 73%, 50%
HSV	8°, 84%, 86%
XYZ	31.3866, 18.4649, 3.4998
YIQ	104.4030, 103.6600, 26.6680

# Conversions

## Conversions Part 2

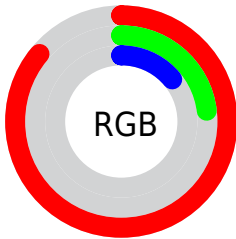
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 63, 35
Decimal	14433059
CIE <sub>Lab</sub>	50.06, 60.88, 50.30
CIE <sub>LCh</sub>	50, 78.968, 39.564
Yxy	18.4649, 0.5883, 0.3461
Android (android.graphics.Color)	4292623139 (0xFFDC3B23)
YUV	104.4030, -34.2157, 101.3786
Hunter-Lab	42.9708, 55.1805, 25.2506

# Details

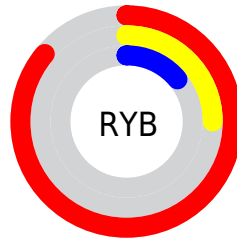
The Yxy color **18.4649, 0.5883, 0.3461** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **45.0204, 0.2180, 0.2942**, and the grayscale version is **14.0285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6071, 0.5119, 0.3603**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.7539, 0.6179, 0.3411**, and if you desaturate by 10%, it is **20.9816, 0.5485, 0.3488**.

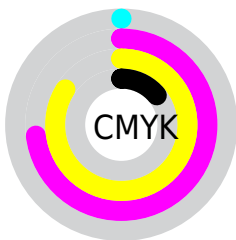
# Distribution



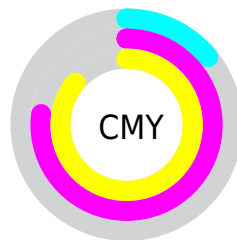
- Red (86%)
- Green (23%)
- Blue (14%)



- Red (86%)
- Yellow (25%)
- Blue (14%)



- Cyan (0%)
- Magenta (73%)
- Yellow (84%)
- Black (14%)




- Cyan (14%)
- Magenta (77%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4649, 0.5883, 0.3461 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 18.4649, 0.5883, 0.3461 by changing the saturation by 10% instead.





 18.4649, 0.5883,  
0.3461


 18.4649, 0.5883,  
0.3461


243.4786, 0.4374,  
0.3549


 11.2843, 0.6248,  
0.3350


 40.8279, 0.5329,  
0.3554


 6.2584, 0.6759,  
0.3187


 56.7791, 0.5119,  
0.3569

 3.0028, 0.7193,  
0.2807

 76.4226, 0.4943,  
0.3574

 1.1332, 0.7771,  
0.2229

 100.1428, 0.4794,  
0.3574

 0.0061, 0.9964,  
0.0036

 128.3241, 0.4666,  
0.3570

 0.0000, 1.0000,  
0.0000


 161.3509, 0.4555,


 0.0000, 0.0000,


0.3564


0.0000


 199.6076, 0.4459,  
0.3556


 18.4649, 0.5883,  
0.3461


 18.4649, 0.5883,  
0.3461


 16.7539, 0.6179,  
0.3411


 20.9816, 0.5485,  
0.3488


 16.0738, 0.6299,  
0.3381


 24.3848, 0.5043,  
0.3490

 28.7489, 0.4611,  
0.3474

 34.1396, 0.4222,  
0.3445

 40.6166, 0.3888,  
0.3410

 48.2352, 0.3609,  
0.3373

 57.0468, 0.3380,  
0.3337

 67.0997, 0.3193,  
0.3303

 78.4395, 0.3041,  
0.3272

# Harmonies

## Analogous

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



18.4649, 0.5281, 0.2690



18.4649, 0.5883, 0.3461



18.4649, 0.5451, 0.4346

# Triad

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



18.4649, 0.5883, 0.3461



18.4649, 0.2072, 0.5378



18.4649, 0.1493, 0.1373

# Complementary

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



18.4649, 0.5883, 0.3461



45.0204, 0.2180, 0.2942

# 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.



18.4649, 0.1063, 0.1518



18.4649, 0.5883, 0.3461



18.4649, 0.1268, 0.3479

# Square

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



18.4649, 0.5883, 0.3461



18.4649, 0.3234, 0.6096



18.4649, 0.0978, 0.2117



18.4649, 0.2388, 0.1543



# Rectangle

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



18.4649, 0.5883, 0.3461



18.4649, 0.4820, 0.5040



18.4649, 0.0978, 0.2117



18.4649, 0.1306, 0.1383

# Sweetspot

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



18.4660, 0.5883, 0.3461



66.1164, 0.3638, 0.3377



20.5176, 0.3468, 0.1763



13.3185, 0.3732, 0.3390



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.



18.4660, 0.5883, 0.3461



22.3508, 0.6307, 0.3374



36.8644, 0.4831, 0.4388



13.3222, 0.3288, 0.3321



9.5222, 0.6281, 0.3395



0.7077, 0.6029, 0.3595

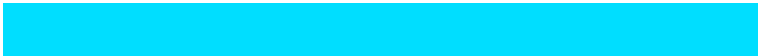


# Inverse Universe

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



45.0204, 0.2180, 0.2942



59.4327, 0.2130, 0.2866



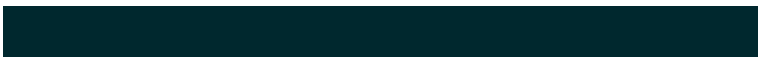
15.8178, 0.1798, 0.1516



14.5265, 0.2982, 0.3259



25.1407, 0.2133, 0.2877



1.7107, 0.2153, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 18.4649, 0.5883, 0.3461 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 18.4649, 0.5883, 0.3461 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 18.4649, 0.5883, 0.3461**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.4649, 0.5883, 0.3461.



This preview shows how white text looks on a background with the Yxy color 18.4649, 0.5883, 0.3461.

# 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

18.4649, 0.5883, 0.3461

### Protanopia

18.6585, 0.4095, 0.4498

### Deuteranopia

18.6405, 0.4660, 0.4610



## Tritanopia

18.5060, 0.5674, 0.3282

# Trichromacy



## Original Color

18.4649, 0.5883, 0.3461

## Protanomaly

16.9242, 0.4852, 0.4034

## Deuteranomaly

17.2860, 0.5227, 0.4100

## Tritanomaly

18.5287, 0.5761, 0.3351

# Monochromacy



## Original Color

18.4649, 0.5883, 0.3461

## Achromatopsia

13.8432, 0.3127, 0.3290

## Achromatomaly

13.6550, 0.4235, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.4649, 0.5883, 0.3461 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(220, 59, 35)` looks like.

```
.text, #text, p{  
  color:rgb(220, 59, 35)  
}
```

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(220, 59, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 59, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 18.4649, 0.5883, 0.3461 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(220, 59, 35) }
```

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

```
.border{ border-color:rgb(220, 59, 35) }
```

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

Here you see how a box with a 4 pixel rgb(220, 59, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 59, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 59, 35);  
box-shadow:4px 4px 4px 4px rgb(220, 59,  
35) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.4649, 0.5883, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 59, 35) }
```

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

```
.background{ background-color: rgb(220, 59,  
35) }
```

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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