

# Converting Colors

$Y_{xy}(15.1445, 0.6073, 0.3358)$

Have a look what the booklet for  
Yxy(15.1445, 0.6073, 0.3358)  
contains.

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**Color**

**Yxy(15.1717, 0.6076, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2261C
RGB	210, 38, 28
RGB Percent	82%, 15%, 11%
CMY	0.1764, 0.8511, 0.8902
CMYK	0.00, 0.82, 0.87, 0.18
HSL	3°, 76%, 47%
HSV	3°, 87%, 82%
XYZ	27.4846, 15.1717, 2.5784
YIQ	88.2880, 105.7220, 33.3540

# Conversions

## Conversions Part 2

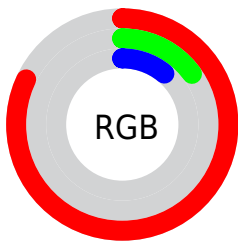
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 39, 28
Decimal	13772316
CIE <sub>Lab</sub>	45.87, 63.96, 49.24
CIE <sub>LCh</sub>	46, 80.720, 37.588
Yxy	15.1717, 0.6076, 0.3354
Android (android.graphics.Color)	4291962396 (0xFFD2261C)
YUV	88.2880, -29.7220, 106.7414
Hunter-Lab	38.9509, 57.7894, 23.3409

# Details

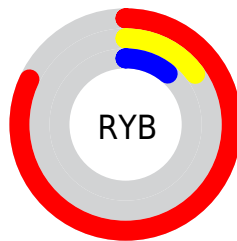
The Yxy color **15.1717, 0.6076, 0.3354** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **46.2268, 0.2227, 0.3141**, and the grayscale version is **9.8720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0754, 0.5335, 0.3515**, and **6.1110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.1561, 0.6313, 0.3330**, and if you desaturate by 10%, it is **16.9346, 0.5701, 0.3371**.

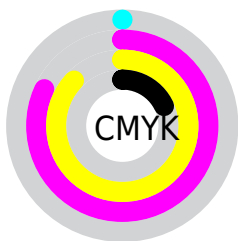
# Distribution



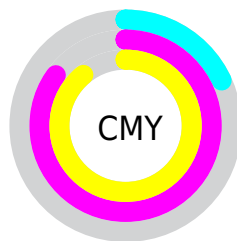
- Red (82%)
- Green (15%)
- Blue (11%)



- Red (82%)
- Yellow (15%)
- Blue (11%)



- Cyan (0%)
- Magenta (82%)
- Yellow (87%)
- Black (18%)




- Cyan (18%)
- Magenta (85%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1717, 0.6076, 0.3354 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 15.1717, 0.6076, 0.3354 by changing the saturation by 10% instead.





 15.1717, 0.6076,  
0.3354


 15.1717, 0.6076,  
0.3354


224.4031, 0.4427,  
0.3521


 8.9400, 0.6479,  
0.3205


 35.1541, 0.5464,  
0.3488


 4.7021, 0.7025,  
0.2975

 49.6736, 0.5234,  
0.3514

 2.0735, 0.7495,  
0.2505

 67.7244, 0.5041,  
0.3527

 0.6497, 0.8226,  
0.1774

 89.6911, 0.4879,  
0.3533


 0.0000, 1.0000,  
0.0000


 115.9578, 0.4740,  
0.3533


 0.0000, 0.0000,  
0.0000


 146.9092, 0.4621,


0.3531


 182.9295, 0.4517,  
0.3526

 15.1717, 0.6076,  
0.3354


 15.1717, 0.6076,  
0.3354


 14.1561, 0.6313,  
0.3330


 16.9346, 0.5701,  
0.3371

 13.9553, 0.6367,  
0.3327

 19.5494, 0.5248,  
0.3376

 23.1068, 0.4785,  
0.3372

 27.6851, 0.4359,  
0.3361

 33.3543, 0.3992,  
0.3346

■ 40.1783, 0.3687,  
0.3330

■ 48.2162, 0.3439,  
0.3314

■ 57.5228, 0.3239,  
0.3299

■ 68.1499, 0.3077,  
0.3286

# Harmonies

## Analogous

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



15.1717, 0.5379, 0.2576



15.1717, 0.6076, 0.3354



15.1717, 0.5638, 0.4274

# Triad

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



15.1717, 0.6076, 0.3354



15.1717, 0.2032, 0.5724



15.1717, 0.1352, 0.1265

# Complementary

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



15.1717, 0.6076, 0.3354



46.2268, 0.2227, 0.3141

# 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.



15.1717, 0.0939, 0.1428



15.1717, 0.6076, 0.3354



15.1717, 0.1175, 0.3604

# Square

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



15.1717, 0.6076, 0.3354



15.1717, 0.3250, 0.6309



15.1717, 0.0867, 0.2076



15.1717, 0.2245, 0.1421



# Rectangle

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



15.1717, 0.6076, 0.3354



15.1717, 0.4968, 0.5032



15.1717, 0.0867, 0.2076



15.1717, 0.1171, 0.1280

# Sweetspot

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



15.1726, 0.6076, 0.3354



62.7675, 0.3677, 0.3330



18.7475, 0.3318, 0.1657



12.5910, 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.



15.1726, 0.6076, 0.3354



21.5735, 0.6373, 0.3321



29.2545, 0.5025, 0.4258



11.9107, 0.3289, 0.3303



8.5581, 0.6357, 0.3335



0.5159, 0.6217, 0.3446



# Inverse Universe

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



46.2268, 0.2227, 0.3141



70.1428, 0.2199, 0.3115



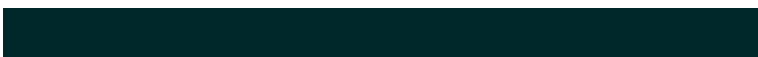
16.0326, 0.1825, 0.1655



13.2914, 0.2983, 0.3277



27.6599, 0.2200, 0.3119



1.5812, 0.2209, 0.3153



# Previews

## White Background



This preview shows how the Yxy color 15.1717, 0.6076, 0.3354 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 15.1717, 0.6076, 0.3354 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 15.1717, 0.6076, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 15.1717, 0.6076, 0.3354.



This preview shows how white text looks on a background with the Yxy color 15.1717, 0.6076, 0.3354.

# 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

15.1717, 0.6076, 0.3354

### Protanopia

15.4789, 0.4106, 0.4515

### Deuteranopia

15.3039, 0.4694, 0.4655



## Tritanopia

15.1521, 0.6010, 0.3305

# Trichromacy



## Original Color

15.1717, 0.6076, 0.3354

## Protanomaly

13.3572, 0.4985, 0.3948

## Deuteranomaly

13.6517, 0.5387, 0.4033

## Tritanomaly

15.1346, 0.6039, 0.3322

# Monochromacy



## Original Color

15.1717, 0.6076, 0.3354

## Achromatopsia

9.7587, 0.3127, 0.3290

## Achromatomaly

9.6792, 0.4418, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.1717, 0.6076, 0.3354 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(210, 38, 28)` looks like.

```
.text, #text, p{  
    color:rgb(210, 38, 28)  
}
```

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(210, 38, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 38, 28) }
```

## Border

The CSS property to change the border of an element to Yxy 15.1717, 0.6076, 0.3354 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(210, 38, 28) }
```

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

```
.border{ border-color:rgb(210, 38, 28) }
```

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

Here you see how a box with a 4 pixel rgb(210, 38, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 38, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 38, 28);  
box-shadow:4px 4px 4px 4px rgb(210, 38,  
28) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.1717, 0.6076, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 38, 28) }
```

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

```
.background{ background-color: rgb(210, 38,  
28) }
```

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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