

# Converting Colors

$Y_{xy}(15.0635, 0.6140, 0.3305)$

Have a look what the booklet for  
Yxy(15.0635, 0.6140, 0.3305)  
contains.

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**Color**

**Yxy(15.1087, 0.6142, 0.3304)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D51D1C
RGB	213, 29, 28
RGB Percent	84%, 11%, 11%
CMY	0.1648, 0.8860, 0.8903
CMYK	0.00, 0.86, 0.87, 0.16
HSL	0°, 77%, 47%
HSV	0°, 87%, 84%
XYZ	28.0865, 15.1087, 2.5334
YIQ	83.9020, 109.9850, 38.6970

# Conversions

## Conversions Part 2

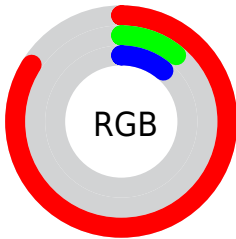
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 29, 28
Decimal	13966620
CIE Lab	45.78, 66.73, 49.43
CIE LCh	46, 83.041, 36.527
Yxy	15.1087, 0.6142, 0.3304
Android (android.graphics.Color)	4292156700 (0xFFD51D1C)
YUV	83.9020, -27.5597, 113.2189
Hunter-Lab	38.8699, 60.9574, 23.3447

# Details

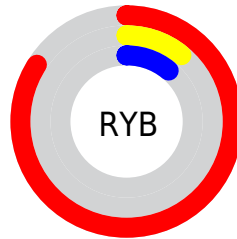
The Yxy color **15.1087, 0.6142, 0.3304** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **52.0884, 0.2262, 0.3272**, and the grayscale version is **8.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3174, 0.5369, 0.3479**, and **6.3896, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.3299, 0.6351, 0.3302**, and if you desaturate by 10%, it is **16.6698, 0.5779, 0.3305**.

# Distribution



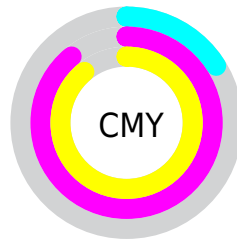
- Red (84%)
- Green (11%)
- Blue (11%)



- Red (84%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (87%)
- Black (16%)




- Cyan (16%)
- Magenta (89%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1087, 0.6142, 0.3304 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 15.1087, 0.6142, 0.3304 by changing the saturation by 10% instead.





 15.1087, 0.6142,  
0.3304

 15.1087, 0.6142,  
0.3304


224.0232, 0.4458,  
0.3505


 8.8957, 0.6552,  
0.3145


 35.0438, 0.5519,  
0.3452


 4.6732, 0.7099,  
0.2901

 49.5346, 0.5284,  
0.3483

 2.0568, 0.7576,  
0.2424

 67.5536, 0.5087,  
0.3500

 0.6402, 0.8311,  
0.1689

 89.4850, 0.4921,  
0.3509


 0.0000, 1.0000,  
0.0000


 115.7132, 0.4779,  
0.3512


 0.0000, 0.0000,  
0.0000


 146.6228, 0.4657,


0.3511


 182.5980, 0.4551,  
0.3509


 15.1087, 0.6142,  
0.3304


 15.1087, 0.6142,  
0.3304

 14.3299, 0.6351,  
0.3302


 16.6698, 0.5779,  
0.3305

 14.1711, 0.6397,  
0.3303

 19.1526, 0.5321,  
0.3305

 22.6708, 0.4843,  
0.3303

 27.3208, 0.4400,  
0.3301

 33.1880, 0.4018,  
0.3298

■ 40.3498, 0.3702,  
0.3296

■ 48.8769, 0.3447,  
0.3293

■ 58.8352, 0.3243,  
0.3291

■ 70.2860, 0.3080,  
0.3289

# Harmonies

## Analogous

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



15.1087, 0.5393, 0.2525



15.1087, 0.6142, 0.3304



15.1087, 0.5714, 0.4231

# Triad

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



15.1087, 0.6142, 0.3304



15.1087, 0.2032, 0.5873



15.1087, 0.1296, 0.1229

# Complementary

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



15.1087, 0.6142, 0.3304



52.0884, 0.2262, 0.3272

# 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.



15.1087, 0.0895, 0.1402



15.1087, 0.6142, 0.3304



15.1087, 0.1150, 0.3680

# Square

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



15.1087, 0.6142, 0.3304



15.1087, 0.3270, 0.6370



15.1087, 0.0831, 0.2076



15.1087, 0.2179, 0.1376



# Rectangle

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



15.1087, 0.6142, 0.3304



15.1087, 0.5013, 0.4987



15.1087, 0.0831, 0.2076



15.1087, 0.1119, 0.1247

# Sweetspot

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



15.1097, 0.6142, 0.3304



61.3542, 0.3685, 0.3296



19.7770, 0.3207, 0.1591



12.2681, 0.3787, 0.3297



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.



15.1097, 0.6142, 0.3304



21.2924, 0.6398, 0.3302



27.7773, 0.5149, 0.4156



12.4323, 0.3291, 0.3292



8.6628, 0.6396, 0.3303



0.5267, 0.6381, 0.3315



# Inverse Universe

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



52.0884, 0.2262, 0.3272



77.7913, 0.2242, 0.3269



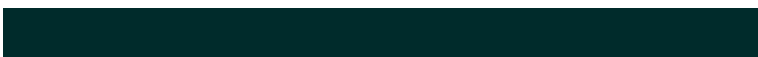
18.5996, 0.1863, 0.1799



14.0948, 0.2983, 0.3288



31.6278, 0.2242, 0.3270



1.9118, 0.2243, 0.3273



# Previews

## White Background



This preview shows how the Yxy color 15.1087, 0.6142, 0.3304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

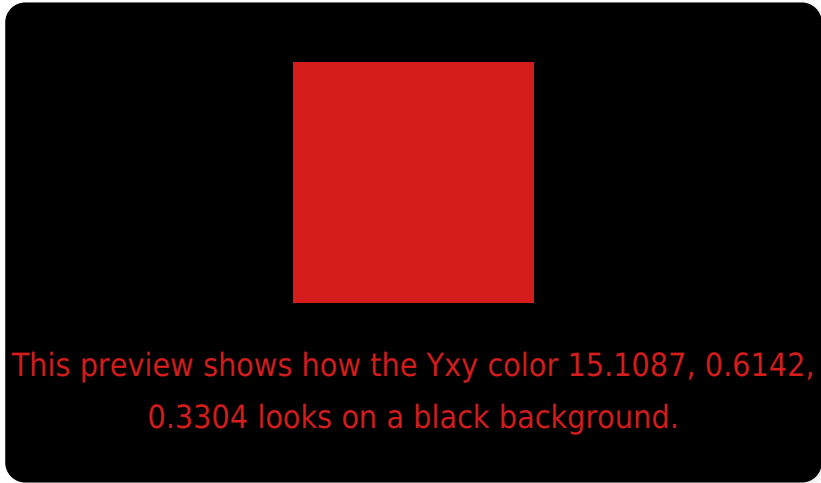
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 15.1087, 0.6142, 0.3304**

## Background



This preview shows how black text looks on a background with the Yxy color 15.1087, 0.6142, 0.3304.



This preview shows how white text looks on a background with the Yxy color 15.1087, 0.6142, 0.3304.

# 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

15.1087, 0.6142, 0.3304

### Protanopia

15.4867, 0.4096, 0.4500

### Deuteranopia

15.3039, 0.4694, 0.4655



## Tritanopia

15.0994, 0.6158, 0.3313

# Trichromacy



## Original Color

15.1087, 0.6142, 0.3304

## Protanomaly

12.9999, 0.5043, 0.3896

## Deuteranomaly

13.3290, 0.5448, 0.3984

## Tritanomaly

15.1040, 0.6150, 0.3308

# Monochromacy



## Original Color

15.1087, 0.6142, 0.3304

## Achromatopsia

8.8656, 0.3127, 0.3290

## Achromatomaly

8.8623, 0.4505, 0.3294

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.1087, 0.6142, 0.3304 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(213, 29, 28)` looks like.

```
.text, #text, p{  
    color:rgb(213, 29, 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(213, 29, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 29, 28) }
```

## Border

The CSS property to change the border of an element to Yxy 15.1087, 0.6142, 0.3304 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(213, 29, 28) }
```

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

```
.border{ border-color:rgb(213, 29, 28) }
```

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

Here you see how a box with a 4 pixel rgb(213, 29, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 29, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 29, 28);  
box-shadow:4px 4px 4px 4px rgb(213, 29,  
28) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.1087, 0.6142, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 29, 28) }
```

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

```
.background{ background-color: rgb(213, 29,  
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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