

# Converting Colors

$Y_{xy}(14.2484, 0.6136, 0.3200)$

Have a look what the booklet for  
Yxy(14.2484, 0.6136, 0.3200)  
contains.

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**Color**

**Yxy(14.2392, 0.6134, 0.3198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D30C24
RGB	211, 12, 36
RGB Percent	83%, 5%, 14%
CMY	0.1726, 0.9526, 0.8590
CMYK	0.00, 0.94, 0.83, 0.17
HSL	353°, 89%, 44%
HSV	353°, 94%, 83%
XYZ	27.3118, 14.2392, 2.9743
YIQ	74.2370, 110.9000, 49.6520

# Conversions

## Conversions Part 2

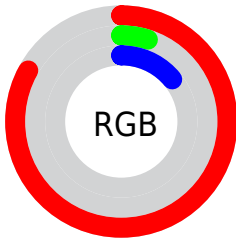
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 12, 36
Decimal	13831204
CIE Lab	44.57, 68.85, 44.20
CIE LCh	45, 81.819, 32.702
Yxy	14.2392, 0.6134, 0.3198
Android (android.graphics.Color)	4292021284 (0xFFD30C24)
YUV	74.2370, -18.8508, 119.9412
Hunter-Lab	37.7349, 63.1592, 21.7411

# Details

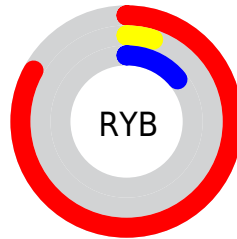
The Yxy color **14.2392, 0.6134, 0.3198** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **50.2572, 0.2354, 0.3648**, and the grayscale version is **6.9206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1815, 0.5350, 0.3363**, and **6.2030, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.9193, 0.6265, 0.3225**, and if you desaturate by 10%, it is **15.2176, 0.5813, 0.3149**.

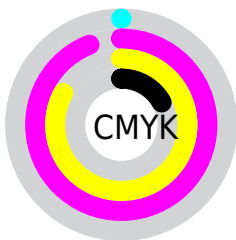
# Distribution



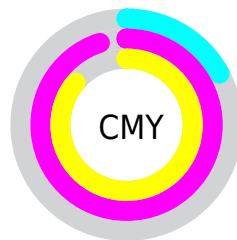
- Red (83%)
- Green (5%)
- Blue (14%)



- Red (83%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (94%)
- Yellow (83%)
- Black (17%)




- Cyan (17%)
- Magenta (95%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2392, 0.6134, 0.3198 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 14.2392, 0.6134, 0.3198 by changing the saturation by 10% instead.





 14.2392, 0.6134,  
0.3198


 14.2392, 0.6134,  
0.3198


218.7139, 0.4423,  
0.3439


 8.2872, 0.6570,  
0.3034


 33.5129, 0.5487,  
0.3355


 4.2793, 0.7201,  
0.2799

 47.6033, 0.5248,  
0.3392


 1.8310, 0.7703,  
0.2297

 65.1754, 0.5049,  
0.3414

 0.5064, 0.8544,  
0.1456

 86.6135, 0.4882,  
0.3427


 0.0000, 1.0000,  
0.0000


 112.3020, 0.4741,  
0.3434

 0.0000, 0.0000,  
0.0000


 142.6253, 0.4619,


0.3438

 177.9678, 0.4514,  
0.3439


 14.2392, 0.6134,  
0.3198


 14.2392, 0.6134,  
0.3198


 13.9193, 0.6265,  
0.3225

 15.2176, 0.5813,  
0.3149

 16.9957, 0.5400,  
0.3122

 19.7001, 0.4954,  
0.3116

 23.4343, 0.4528,  
0.3129

 28.2881, 0.4151,  
0.3153

■ 34.3415, 0.3832,  
0.3183

■ 41.6672, 0.3571,  
0.3215

■ 50.3321, 0.3359,  
0.3247

■ 60.3984, 0.3189,  
0.3278

# Harmonies

## Analogous

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



14.2392, 0.5217, 0.2425



14.2392, 0.6134, 0.3198



14.2392, 0.5822, 0.4094

# Triad

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



14.2392, 0.6134, 0.3198



14.2392, 0.2172, 0.6085



14.2392, 0.1217, 0.1225

# Complementary

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



14.2392, 0.6134, 0.3198



50.2572, 0.2354, 0.3648

# 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.



14.2392, 0.0864, 0.1447



14.2392, 0.6134, 0.3198



14.2392, 0.1222, 0.3965

# Square

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



14.2392, 0.6134, 0.3198



14.2392, 0.3439, 0.6313



14.2392, 0.0840, 0.2213



14.2392, 0.2028, 0.1335



# Rectangle

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



14.2392, 0.6134, 0.3198



14.2392, 0.5166, 0.4834



14.2392, 0.0840, 0.2213



14.2392, 0.1058, 0.1258

# Sweetspot

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



14.2401, 0.6134, 0.3198



59.1881, 0.3670, 0.3202



15.2169, 0.2892, 0.1385



11.6416, 0.3787, 0.3188



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.



14.2401, 0.6134, 0.3198



21.3568, 0.6281, 0.3234



20.3753, 0.5668, 0.3827



11.8310, 0.3272, 0.3262



8.4090, 0.6241, 0.3212



0.4780, 0.5852, 0.2997



# Inverse Universe

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



14.2401, 0.6134, 0.3198



21.3568, 0.6281, 0.3234



22.9768, 0.1928, 0.2109



11.8310, 0.3272, 0.3262



8.4090, 0.6241, 0.3212



0.4780, 0.5852, 0.2997



# Previews

## White Background



This preview shows how the Yxy color 14.2392, 0.6134, 0.3198 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 14.2392, 0.6134, 0.3198**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.2392, 0.6134, 0.3198.



This preview shows how white text looks on a background with the Yxy color 14.2392, 0.6134, 0.3198.

# 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

14.2392, 0.6134, 0.3198

### Protanopia

14.6623, 0.3947, 0.4297

### Deuteranopia

14.4900, 0.4652, 0.4578



## Tritanopia

14.3256, 0.6318, 0.3337

# Trichromacy



## Original Color

14.2392, 0.6134, 0.3198

## Protanomaly

11.5319, 0.4999, 0.3644

## Deuteranomaly

12.1007, 0.5489, 0.3822

## Tritanomaly

14.2569, 0.6281, 0.3299

# Monochromacy



## Original Color

14.2392, 0.6134, 0.3198

## Achromatopsia

6.8478, 0.3127, 0.3290

## Achromatomaly

6.9790, 0.4610, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.2392, 0.6134, 0.3198 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(211, 12, 36)` looks like.

```
.text, #text, p{  
    color:rgb(211, 12, 36)  
}
```

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(211, 12, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 12, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 14.2392, 0.6134, 0.3198 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(211, 12, 36) }
```

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

```
.border{ border-color:rgb(211, 12, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 12, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 12, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 12, 36);  
box-shadow:4px 4px 4px 4px rgb(211, 12,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.2392, 0.6134, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 12, 36) }
```

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

```
.background{ background-color: rgb(211, 12,  
36) }
```

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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