

# Converting Colors

$Yxy(11.3640, 0.6777, 0.2823)$

Have a look what the booklet for  
Yxy(11.3640, 0.6777, 0.2823)  
contains.

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**Color**

**Yxy(14.9714, 0.6284, 0.3236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA0018
RGB	218, 0, 24
RGB Percent	85%, 0%, 9%
CMY	0.1452, 0.9991, 0.9059
CMYK	0.00, 1.00, 0.89, 0.15
HSL	353°, 100%, 43%
HSV	353°, 100%, 85%
XYZ	29.0730, 14.9714, 2.2207
YIQ	67.9180, 122.2240, 53.6800

# Conversions

## Conversions Part 2

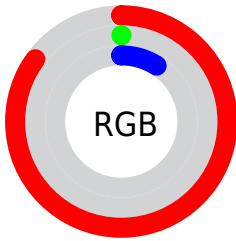
Format	Color
<a href="#">RYB</a>	<a href="#">218, 0, 24</a>
Decimal	<a href="#">14286872</a>
CIELab	<a href="#">45.60, 71.39, 51.55</a>
CIElCh	<a href="#">46, 88.062, 35.834</a>
Yxy	<a href="#">14.9714, 0.6284, 0.3236</a>
Android (android.graphics.Color)	<a href="#">4292476952 (0xFFDA0018)</a>
YUV	<a href="#">67.9180, -21.6516, 131.6219</a>
Hunter-Lab	<a href="#">38.6929, 66.4085, 23.6822</a>

# Details

The Yxy color **14.9714, 0.6284, 0.3236** 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 **54.0363, 0.2343, 0.3636**, and the grayscale version is **5.8078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8597, 0.5475, 0.3439**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9668, 0.6286, 0.3236**, and if you desaturate by 10%, it is **15.6536, 0.6039, 0.3190**.

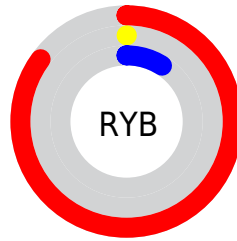
# Distribution



Red (85%)

Green (0%)

Blue (9%)



Red (85%)

Yellow (0%)

Blue (9%)

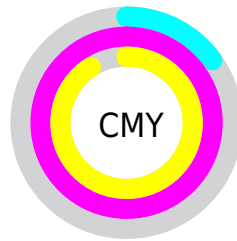


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (15%)



Cyan (15%)

Magenta (100%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9714, 0.6284, 0.3236 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 14.9714, 0.6284, 0.3236 by changing the saturation by 10% instead.





 14.9714, 0.6284,  
0.3236


 14.9714, 0.6284,  
0.3236


223.1930, 0.4535,  
0.3496


 8.7993, 0.6703,  
0.3059


 34.8030, 0.5644,  
0.3411


 4.6105, 0.7221,  
0.2779

 49.2313, 0.5401,  
0.3451


 2.0206, 0.7710,  
0.2290

 67.1805, 0.5196,  
0.3475

 0.6194, 0.8453,  
0.1547

 89.0349, 0.5022,  
0.3488

 0.0000, 1.0000,  
0.0000


 115.1790, 0.4873,  
0.3495


 0.0000, 0.0000,  
0.0000

 145.9971, 0.4745,

0.3498

 181.8737, 0.4633,  
0.3498


 14.9714, 0.6284,  
0.3236


 14.9714, 0.6284,  
0.3236

 14.9668, 0.6286,  
0.3236

 15.6536, 0.6039,  
0.3190

 17.0462, 0.5675,  
0.3152

 19.3659, 0.5238,  
0.3134

 22.7373, 0.4790,  
0.3136

 27.2657, 0.4376,  
0.3152

■ 33.0439, 0.4018,  
0.3177

■ 40.1548, 0.3720,  
0.3205

■ 48.6745, 0.3478,  
0.3235

■ 58.6734, 0.3283,  
0.3264

# Harmonies

## Analogous

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



14.9714, 0.5491, 0.2456



14.9714, 0.6284, 0.3236



14.9714, 0.5820, 0.4180

# Triad

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



14.9714, 0.6284, 0.3236



14.9714, 0.1970, 0.6112



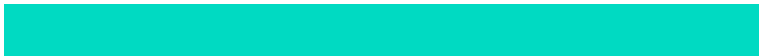
14.9714, 0.1211, 0.1154

# Complementary

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



14.9714, 0.6284, 0.3236



54.0363, 0.2343, 0.3636

# 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.



14.9714, 0.0816, 0.1331



14.9714, 0.6284, 0.3236



14.9714, 0.1069, 0.3740

# Square

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



14.9714, 0.6284, 0.3236



14.9714, 0.3248, 0.6531



14.9714, 0.0752, 0.2024



14.9714, 0.2099, 0.1297



# Rectangle

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



14.9714, 0.6284, 0.3236



14.9714, 0.5052, 0.4948



14.9714, 0.0752, 0.2024



14.9714, 0.1036, 0.1173

# Sweetspot

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



14.9724, 0.6284, 0.3236



56.8815, 0.3730, 0.3204



16.3466, 0.2914, 0.1379



11.2067, 0.3850, 0.3192



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.



14.9724, 0.6284, 0.3236



21.3430, 0.6298, 0.3243



21.1953, 0.5759, 0.3808



13.0745, 0.3275, 0.3265



8.9767, 0.6264, 0.3224



0.5895, 0.5938, 0.3045



# Inverse Universe

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



14.9724, 0.6284, 0.3236



21.3430, 0.6298, 0.3243



22.2516, 0.1881, 0.1969



13.0745, 0.3275, 0.3265



8.9767, 0.6264, 0.3224



0.5895, 0.5938, 0.3045



# Previews

## White Background



This preview shows how the Yxy color 14.9714, 0.6284, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

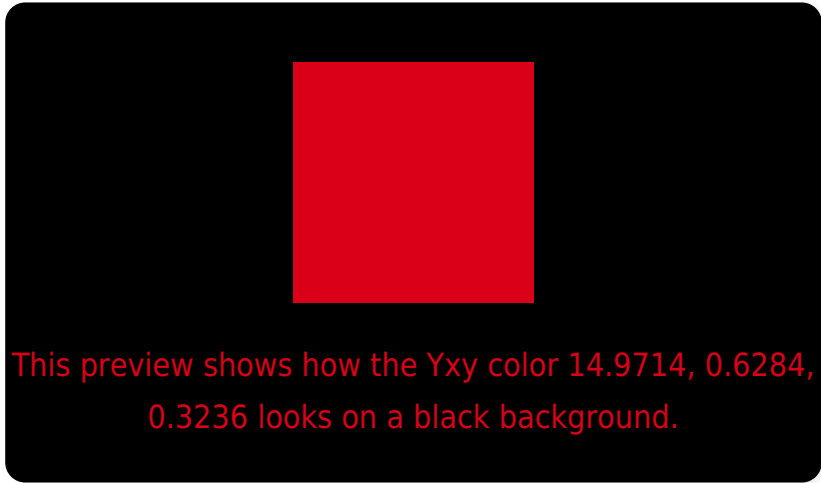
Any Text WCAG AA ✓ Pass

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 14.9714, 0.6284, 0.3236**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.9714, 0.6284, 0.3236.



This preview shows how white text looks on a background with the Yxy color 14.9714, 0.6284, 0.3236.

# 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

14.9714, 0.6284, 0.3236

### Protanopia

15.5372, 0.4140, 0.4536

### Deuteranopia

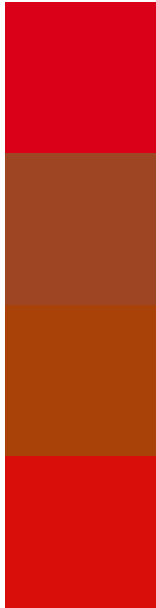
15.3896, 0.4707, 0.4644



## Tritanopia

15.2520, 0.6338, 0.3349

# Trichromacy



**Original Color**

14.9714, 0.6284, 0.3236

**Protanomaly**

11.7768, 0.5281, 0.3744

**Deuteranomaly**

12.2410, 0.5661, 0.3819

**Tritanomaly**

15.0593, 0.6330, 0.3309

# Monochromacy



**Original Color**

14.9714, 0.6284, 0.3236

**Achromatopsia**

5.7805, 0.3127, 0.3290

**Achromatomaly**

6.1866, 0.4881, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.9714, 0.6284, 0.3236 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(218, 0, 24)` looks like.

```
.text, #text, p{  
  color:rgb(218, 0, 24)  
}
```

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(218, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 14.9714, 0.6284, 0.3236 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(218, 0, 24) }
```

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

```
.border{ border-color:rgb(218, 0, 24) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(218, 0, 24)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 14.9714, 0.6284, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 24) }
```

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

```
.background{ background-color: rgb(218, 0,  
24) }
```

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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