

# Converting Colors

$Yxy(15.6123, 0.6223, 0.3202)$

Have a look what the booklet for  
Yxy(15.6123, 0.6223, 0.3202)  
contains.

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**Color**

**Yxy(15.6339, 0.6226, 0.3204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE0020
RGB	222, 0, 32
RGB Percent	87%, 0%, 13%
CMY	0.1295, 0.9992, 0.8746
CMYK	0.00, 1.00, 0.86, 0.13
HSL	351°, 100%, 44%
HSV	351°, 100%, 87%
XYZ	30.3797, 15.6339, 2.7813
YIQ	70.0260, 122.0400, 57.0160

# Conversions

## Conversions Part 2

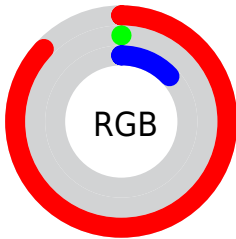
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 0, 32
Decimal	14549024
CIE <sub>Lab</sub>	46.49, 72.51, 48.84
CIE <sub>LCh</sub>	46, 87.423, 33.964
Yxy	15.6339, 0.6226, 0.3204
Android (android.graphics.Color)	4292739104 (0xFFDE0020)
YUV	70.0260, -18.7468, 133.2812
Hunter-Lab	39.5397, 67.9532, 23.5072

# Details

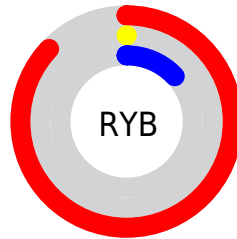
The Yxy color **15.6339, 0.6226, 0.3204** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.9592, 0.2376, 0.3751**, and the grayscale version is **6.1664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1224, 0.5394, 0.3395**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6292, 0.6228, 0.3205**, and if you desaturate by 10%, it is **16.3548, 0.5961, 0.3144**.

# Distribution



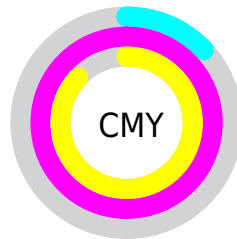
- Red (87%)
- Green (0%)
- Blue (13%)



- Red (87%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6339, 0.6226, 0.3204 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 15.6339, 0.6226, 0.3204 by changing the saturation by 10% instead.





 15.6339, 0.6226,  
0.3204

 15.6339, 0.6226,  
0.3204


227.1716, 0.4504,  
0.3462


 9.2655, 0.6642,  
0.3035


 35.9615, 0.5590,  
0.3371


 4.9147, 0.7211,  
0.2789

 50.6894, 0.5351,  
0.3410


 2.1973, 0.7687,  
0.2313

 68.9726, 0.5149,  
0.3434

 0.7185, 0.8374,  
0.1626

 91.1955, 0.4979,  
0.3448


 0.0000, 1.0000,  
0.0000


 117.7424, 0.4833,  
0.3457


 0.0000, 0.0000,  
0.0000

 148.9978, 0.4708,


0.3461


 185.3461, 0.4599,  
0.3462

 15.6339, 0.6226,  
0.3204


 15.6339, 0.6226,  
0.3204


 15.6292, 0.6228,  
0.3205

 16.3548, 0.5961,  
0.3144

 17.8157, 0.5590,  
0.3098

 20.2396, 0.5160,  
0.3079

 23.7559, 0.4726,  
0.3084

 28.4739, 0.4328,  
0.3107

■ 34.4898, 0.3984,  
0.3140

■ 41.8897, 0.3698,  
0.3178

■ 50.7527, 0.3465,  
0.3217

■ 61.1516, 0.3277,  
0.3255

# Harmonies

## Analogous

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



15.6339, 0.5351, 0.2427



15.6339, 0.6226, 0.3204



15.6339, 0.5846, 0.4125

# Triad

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



15.6339, 0.6226, 0.3204



15.6339, 0.2075, 0.6141



15.6339, 0.1200, 0.1181

# Complementary

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



15.6339, 0.6226, 0.3204



55.9592, 0.2376, 0.3751

# 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.



15.6339, 0.0829, 0.1384



15.6339, 0.6226, 0.3204



15.6339, 0.1141, 0.3881

# Square

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



15.6339, 0.6226, 0.3204



15.6339, 0.3352, 0.6428



15.6339, 0.0787, 0.2122



15.6339, 0.2044, 0.1305



# Rectangle

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



15.6339, 0.6226, 0.3204



15.6339, 0.5125, 0.4875



15.6339, 0.0787, 0.2122



15.6339, 0.1034, 0.1208

# Sweetspot

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



15.6349, 0.6226, 0.3204



56.9941, 0.3707, 0.3177



16.0596, 0.2829, 0.1332



11.2324, 0.3822, 0.3161



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.



15.6349, 0.6226, 0.3204



21.3906, 0.6241, 0.3212



20.9516, 0.5852, 0.3735



13.7324, 0.3270, 0.3257



9.2953, 0.6202, 0.3190



0.6546, 0.5834, 0.2987



# Inverse Universe

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



15.6349, 0.6226, 0.3204



21.3906, 0.6241, 0.3212



25.3302, 0.1914, 0.2088



13.7324, 0.3270, 0.3257



9.2953, 0.6202, 0.3190



0.6546, 0.5834, 0.2987



# Previews

## White Background



This preview shows how the Yxy color 15.6339, 0.6226, 0.3204 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 15.6339, 0.6226, 0.3204 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 15.6339, 0.6226, 0.3204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 15.6339, 0.6226, 0.3204.



This preview shows how white text looks on a background with the Yxy color 15.6339, 0.6226, 0.3204.

# 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

15.6339, 0.6226, 0.3204

### Protanopia

16.1305, 0.4032, 0.4409

### Deuteranopia

16.0589, 0.4713, 0.4640



**Tritanopia**

15.8725, 0.6341, 0.3347

# Trichromacy



## Original Color

15.6339, 0.6226, 0.3204

## Protanomaly

12.1695, 0.5170, 0.3653

## Deuteranomaly

12.8187, 0.5638, 0.3818

## Tritanomaly

15.6865, 0.6321, 0.3302

# Monochromacy



## Original Color

15.6339, 0.6226, 0.3204

## Achromatopsia

6.1246, 0.3127, 0.3290

## Achromatomaly

6.5223, 0.4791, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.6339, 0.6226, 0.3204 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(222, 0, 32)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 32)  
}
```

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(222, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 15.6339, 0.6226, 0.3204 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(222, 0, 32) }
```

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

```
.border{ border-color:rgb(222, 0, 32) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 32)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 15.6339, 0.6226, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 32) }
```

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

```
.background{ background-color: rgb(222, 0,  
32) }
```

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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