

Converting Colors

$Y_{xy}(15.3327, 0.6028, 0.3094)$

Have a look what the booklet for
Yxy(15.3327, 0.6028, 0.3094)
contains.

Yxy(15.2904, 0.6021, 0.3090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2904, 0.6021, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	DB0032
RGB	219, 0, 50
RGB Percent	86%, 0%, 20%
CMY	0.1411, 1.0000, 0.8039
CMYK	0.00, 1.00, 0.77, 0.14
HSL	346°, 100%, 43%
HSV	346°, 100%, 86%
XYZ	29.7940, 15.2904, 4.3991
YIQ	71.1810, 114.4740, 61.9780

Conversions

Conversions Part 2

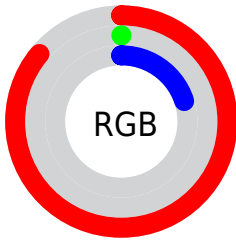
Format	Color
RYB	219, 0, 50
Decimal	14352434
CIELab	46.03, 72.28, 38.32
CIElCh	46, 81.813, 27.930
Yxy	15.2904, 0.6021, 0.3090
Android (android.graphics.Color)	4292542514 (0xFFDB0032)
YUV	71.1810, -10.4422, 129.6373
Hunter-Lab	39.1029, 67.5758, 20.7019

Details

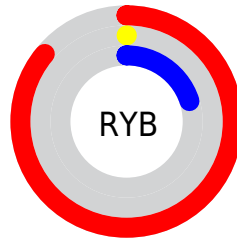
The Yxy color **15.2904, 0.6021, 0.3090** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.5390, 0.2458, 0.4050**, and the grayscale version is **6.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2678, 0.5177, 0.3226**, and **6.9839, 0.6342, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **15.2936, 0.6021, 0.3090**, and if you desaturate by 10%, it is **16.0375, 0.5721, 0.3007**.

Distribution



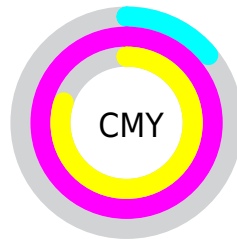
- Red (86%)
- Green (0%)
- Blue (20%)



- Red (86%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2904, 0.6021, 0.3090 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 15.2904, 0.6021, 0.3090 by changing the saturation by 10% instead.


 15.2904, 0.6021,
0.3090


 15.2904, 0.6021,
0.3090


225.1173, 0.4368,
0.3357


 9.0234, 0.6459,
0.2939


 35.3618, 0.5387,
0.3244


 4.7565, 0.7036,
0.2704

 49.9351, 0.5157,
0.3283

 2.1051, 0.7707,
0.2293

 68.0459, 0.4966,
0.3310

 0.6675, 0.8420,
0.1580

 90.0787, 0.4806,
0.3328

 0.0000, 1.0000,
0.0000

 116.4178, 0.4671,
0.3340

 0.0000, 0.0000,
0.0000

 147.4477, 0.4555,

0.3348

183.5527, 0.4455,
0.3354

■ 15.2904, 0.6021,
0.3090

■ 15.2904, 0.6021,
0.3090

■ 15.2936, 0.6021,
0.3090

■ 16.0375, 0.5721,
0.3007

■ 17.4872, 0.5352,
0.2952

■ 19.8594, 0.4950,
0.2936

■ 23.2774, 0.4558,
0.2953

■ 27.8453, 0.4203,
0.2995

■ 33.6547, 0.3898,
0.3050

■ 40.7878, 0.3643,
0.3111

■ 49.3196, 0.3434,
0.3173

■ 59.3196, 0.3264,
0.3234

Harmonies

Analogous

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



15.2904, 0.4924, 0.2327



15.2904, 0.6021, 0.3090



15.2904, 0.5881, 0.3939

Triad

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



15.2904, 0.6021, 0.3090



15.2904, 0.2393, 0.6195



15.2904, 0.1164, 0.1266

Complementary

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



15.2904, 0.6021, 0.3090



53.5390, 0.2458, 0.4050

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.



15.2904, 0.0868, 0.1554



15.2904, 0.6021, 0.3090



15.2904, 0.1371, 0.4312

Square

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



15.2904, 0.6021, 0.3090



15.2904, 0.3666, 0.6135



15.2904, 0.0901, 0.2440



15.2904, 0.1883, 0.1325

Rectangle

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



15.2904, 0.6021, 0.3090



15.2904, 0.5338, 0.4662



15.2904, 0.0901, 0.2440



15.2904, 0.1026, 0.1317

Sweetspot

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



15.2936, 0.6021, 0.3090



57.2841, 0.3649, 0.3110



13.4312, 0.2618, 0.1216



11.2990, 0.3752, 0.3083



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.



15.2936, 0.6021, 0.3090



21.5677, 0.6039, 0.3101



18.1304, 0.6058, 0.3572



13.1000, 0.3256, 0.3237



9.0803, 0.5985, 0.3071



0.6015, 0.5522, 0.2816

Inverse Universe

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



15.2936, 0.6021, 0.3090



21.5677, 0.6039, 0.3101



30.4710, 0.1997, 0.2390



13.1000, 0.3256, 0.3237



9.0803, 0.5985, 0.3071



0.6015, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 15.2904, 0.6021, 0.3090 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 15.2904, 0.6021, 0.3090 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 15.2904, 0.6021, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 15.2904, 0.6021, 0.3090.



This preview shows how white text looks on a background with the Yxy color 15.2904, 0.6021, 0.3090.

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

15.2904, 0.6021, 0.3090

Protanopia

15.8838, 0.3707, 0.3996

Deuteranopia

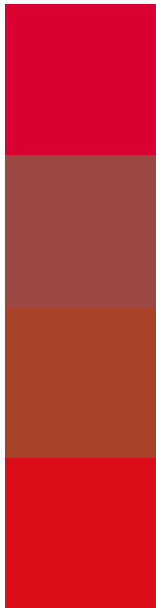
15.9244, 0.4486, 0.4431



Tritanopia

15.4637, 0.6297, 0.3330

Trichromacy



Original Color

15.2904, 0.6021, 0.3090

Protanomaly

11.9796, 0.4757, 0.3357

Deuteranomaly

12.4992, 0.5365, 0.3614

Tritanomaly

15.2635, 0.6243, 0.3260

Monochromacy



Original Color

15.2904, 0.6021, 0.3090

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.5956, 0.4611, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2904, 0.6021, 0.3090 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(219, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 50)  
}
```

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(219, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 50) }
```

Border

The CSS property to change the border of an element to Yxy 15.2904, 0.6021, 0.3090 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(219, 0, 50) }
```

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

```
.border{ border-color:rgb(219, 0, 50) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 50)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2904, 0.6021, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 50) }
```

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

```
.background{ background-color: rgb(219, 0,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor