

Converting Colors

$Y_{xy}(15.2675, 0.6130, 0.3150)$

Have a look what the booklet for
Yxy(15.2675, 0.6130, 0.3150)
contains.

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Color

Yxy(15.2202, 0.6130, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	DB0029
RGB	219, 0, 41
RGB Percent	86%, 0%, 16%
CMY	0.1412, 0.9993, 0.8393
CMYK	0.00, 1.00, 0.81, 0.14
HSL	349°, 100%, 43%
HSV	349°, 100%, 86%
XYZ	29.6096, 15.2202, 3.4730
YIQ	70.1550, 117.3630, 59.1790

Conversions

Conversions Part 2

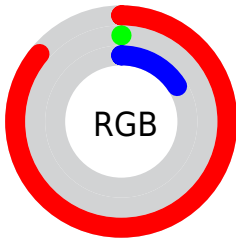
Format	Color
RYB	219, 0, 41
Decimal	14352425
CIELab	45.93, 71.99, 43.36
CIElCh	46, 84.038, 31.058
Yxy	15.2202, 0.6130, 0.3151
Android (android.graphics.Color)	4292542505 (0xFFDB0029)
YUV	70.1550, -14.3734, 130.5371
Hunter-Lab	39.0131, 67.2025, 22.0311

Details

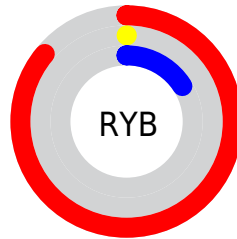
The Yxy color **15.2202, 0.6130, 0.3151** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.8767, 0.2417, 0.3901**, and the grayscale version is **6.1786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0929, 0.5300, 0.3313**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.2163, 0.6132, 0.3152**, and if you desaturate by 10%, it is **15.9478, 0.5843, 0.3078**.

Distribution



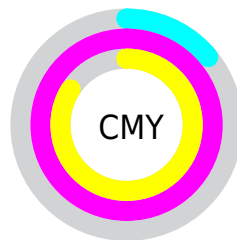
- Red (86%)
- Green (0%)
- Blue (16%)



- Red (86%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (14%)




- Cyan (14%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2202, 0.6130, 0.3151 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 15.2202, 0.6130, 0.3151 by changing the saturation by 10% instead.


 15.2202, 0.6130,
0.3151


 15.2202, 0.6130,
0.3151


224.6952, 0.4432,
0.3410


 8.9741, 0.6562,
0.2991


 35.2390, 0.5489,
0.3310


 4.7243, 0.7181,
0.2763


 49.7805, 0.5253,
0.3349

 2.0864, 0.7705,
0.2295

 67.8559, 0.5056,
0.3374

 0.6570, 0.8424,
0.1576

 89.8496, 0.4890,
0.3390

 0.0000, 1.0000,
0.0000

 116.1459, 0.4749,
0.3400

 0.0000, 0.0000,
0.0000

 147.1294, 0.4628,

0.3405

183.1844, 0.4524,
0.3409

■ 15.2202, 0.6130,
0.3151

■ 15.2202, 0.6130,
0.3151

■ 15.2163, 0.6132,
0.3152

■ 15.9478, 0.5843,
0.3078

■ 17.3872, 0.5470,
0.3025

■ 19.7548, 0.5052,
0.3007

■ 23.1746, 0.4638,
0.3018

■ 27.7514, 0.4262,
0.3050

■ 33.5771, 0.3939,
0.3095

■ 40.7346, 0.3669,
0.3144

■ 49.2994, 0.3449,
0.3195

■ 59.3414, 0.3270,
0.3244

Harmonies

Analogous

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



15.2202, 0.5140, 0.2380



15.2202, 0.6130, 0.3151



15.2202, 0.5864, 0.4032

Triad

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



15.2202, 0.6130, 0.3151



15.2202, 0.2231, 0.6173



15.2202, 0.1182, 0.1223

Complementary

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



15.2202, 0.6130, 0.3151



53.8767, 0.2417, 0.3901

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.



15.2202, 0.0849, 0.1466



15.2202, 0.6130, 0.3151



15.2202, 0.1252, 0.4094

Square

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



15.2202, 0.6130, 0.3151



15.2202, 0.3509, 0.6283



15.2202, 0.0842, 0.2274



15.2202, 0.1964, 0.1315

Rectangle

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



15.2202, 0.6130, 0.3151



15.2202, 0.5231, 0.4769



15.2202, 0.0842, 0.2274



15.2202, 0.1031, 0.1261

Sweetspot

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



15.2212, 0.6130, 0.3151



57.1399, 0.3677, 0.3143



14.2571, 0.2702, 0.1263



11.2658, 0.3786, 0.3121



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.



15.2212, 0.6130, 0.3151



21.4697, 0.6149, 0.3161



18.9332, 0.5979, 0.3634



13.0910, 0.3262, 0.3247



9.0360, 0.6100, 0.3134



0.5973, 0.5659, 0.2891

Inverse Universe

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



15.2212, 0.6130, 0.3151



21.4697, 0.6149, 0.3161



28.0091, 0.1964, 0.2270



13.0910, 0.3262, 0.3247



9.0360, 0.6100, 0.3134



0.5973, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 15.2202, 0.6130, 0.3151 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 15.2202, 0.6130, 0.3151 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 15.2202, 0.6130, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 15.2202, 0.6130, 0.3151.



This preview shows how white text looks on a background with the Yxy color 15.2202, 0.6130, 0.3151.

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

15.2202, 0.6130, 0.3151

Protanopia

15.8766, 0.3887, 0.4216

Deuteranopia

15.7405, 0.4608, 0.4528



Tritanopia

15.3712, 0.6343, 0.3345

Trichromacy



Original Color

15.2202, 0.6130, 0.3151



Protanomaly

11.9601, 0.4963, 0.3518



Deuteranomaly

12.5431, 0.5502, 0.3709



Tritanomaly

15.2029, 0.6307, 0.3292

Monochromacy



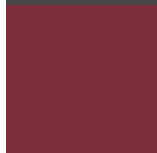
Original Color

15.2202, 0.6130, 0.3151



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.4776, 0.4697, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2202, 0.6130, 0.3151 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 41) }
```

Border

The CSS property to change the border of an element to Yxy 15.2202, 0.6130, 0.3151 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, 41) }
```

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

```
.border{ border-color:rgb(219, 0, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2202, 0.6130, 0.3151 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, 41) }
```

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

```
.background{ background-color: rgb(219, 0,  
41) }
```

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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