

Converting Colors

$Y_{xy}(15.1796, 0.6274, 0.3230)$

Have a look what the booklet for
Yxy(15.1796, 0.6274, 0.3230)
contains.

Yxy(15.1347, 0.6271, 0.3228)	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(15.1347, 0.6271, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	DB001A
RGB	219, 0, 26
RGB Percent	86%, 0%, 10%
CMY	0.1411, 1.0000, 0.8980
CMYK	0.00, 1.00, 0.88, 0.14
HSL	353°, 100%, 43%
HSV	353°, 100%, 86%
XYZ	29.4020, 15.1347, 2.3490
YIQ	68.4450, 122.1780, 54.5140

Conversions

Conversions Part 2

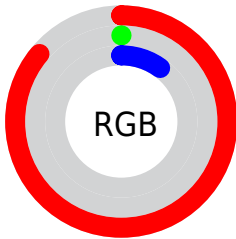
Format	Color
RYB	219, 0, 26
Decimal	14352410
CIELab	45.82, 71.70, 50.91
CIELCh	46, 87.932, 35.375
Yxy	15.1347, 0.6271, 0.3228
Android (android.graphics.Color)	4292542490 (0xFFDB001A)
YUV	68.4450, -20.9254, 132.0367
Hunter-Lab	38.9033, 66.8243, 23.6524

Details

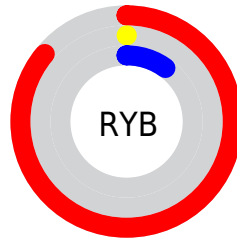
The Yxy color **15.1347, 0.6271, 0.3228** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **54.5181, 0.2352, 0.3668**, and the grayscale version is **5.8762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8858, 0.5455, 0.3424**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1360, 0.6271, 0.3228**, and if you desaturate by 10%, it is **15.8233, 0.6021, 0.3178**.

Distribution



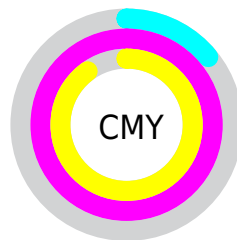
- Red (86%)
- Green (0%)
- Blue (10%)



- Red (86%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (14%)



- Cyan (14%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1347, 0.6271, 0.3228 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 15.1347, 0.6271, 0.3228 by changing the saturation by 10% instead.


 15.1347, 0.6271,
0.3228


 15.1347, 0.6271,
0.3228


224.1801, 0.4528,
0.3487


 8.9140, 0.6688,
0.3052

 35.0893, 0.5632,
0.3401


 4.6851, 0.7219,
0.2781

 49.5920, 0.5389,
0.3441

 2.0637, 0.7704,
0.2296

 67.6241, 0.5185,
0.3465

 0.6441, 0.8431,
0.1569

 89.5700, 0.5012,
0.3478

 0.0000, 1.0000,
0.0000


 115.8142, 0.4864,
0.3486


 0.0000, 0.0000,
0.0000


 146.7410, 0.4736,


0.3489


 182.7348, 0.4625,
0.3489


 15.1347, 0.6271,
0.3228


 15.1347, 0.6271,
0.3228


 15.1360, 0.6271,
0.3228

 15.8233, 0.6021,
0.3178

 17.2251, 0.5655,
0.3137

 19.5618, 0.5220,
0.3119

 22.9593, 0.4776,
0.3121

 27.5243, 0.4366,
0.3139

■ 33.3502, 0.4012,
0.3166

■ 40.5212, 0.3717,
0.3198

■ 49.1139, 0.3476,
0.3230

■ 59.1994, 0.3283,
0.3261

Harmonies

Analogous

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



15.1347, 0.5457, 0.2448



15.1347, 0.6271, 0.3228



15.1347, 0.5831, 0.4169

Triad

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



15.1347, 0.6271, 0.3228



15.1347, 0.1996, 0.6121



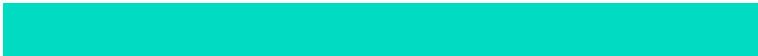
15.1347, 0.1208, 0.1160

Complementary

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



15.1347, 0.6271, 0.3228



54.5181, 0.2352, 0.3668

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.



15.1347, 0.0819, 0.1343



15.1347, 0.6271, 0.3228



15.1347, 0.1086, 0.3775

Square

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



15.1347, 0.6271, 0.3228



15.1347, 0.3274, 0.6507



15.1347, 0.0760, 0.2048



15.1347, 0.2085, 0.1298

Rectangle

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



15.1347, 0.6271, 0.3228



15.1347, 0.5070, 0.4930



15.1347, 0.0760, 0.2048



15.1347, 0.1035, 0.1181

Sweetspot

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



15.1360, 0.6271, 0.3228



56.9130, 0.3723, 0.3197



16.0373, 0.2871, 0.1355



11.2139, 0.3842, 0.3183



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.



15.1360, 0.6271, 0.3228



21.3551, 0.6283, 0.3235



20.8432, 0.5808, 0.3770



13.0765, 0.3273, 0.3263



8.9825, 0.6247, 0.3215



0.5905, 0.5901, 0.3025

Inverse Universe

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



15.1360, 0.6271, 0.3228



21.3551, 0.6283, 0.3235



23.4950, 0.1897, 0.2028



13.0765, 0.3273, 0.3263



8.9825, 0.6247, 0.3215



0.5905, 0.5901, 0.3025

Previews

White Background



This preview shows how the Yxy color 15.1347, 0.6271, 0.3228 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 15.1347, 0.6271, 0.3228 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 15.1347, 0.6271, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 15.1347, 0.6271, 0.3228.



This preview shows how white text looks on a background with the Yxy color 15.1347, 0.6271, 0.3228.

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

15.1347, 0.6271, 0.3228

Protanopia

15.7771, 0.4099, 0.4508

Deuteranopia

15.6786, 0.4703, 0.4648



Tritanopia

15.4057, 0.6339, 0.3349

Trichromacy



Original Color

15.1347, 0.6271, 0.3228

Protanomaly

11.9221, 0.5228, 0.3728

Deuteranomaly

12.4690, 0.5653, 0.3827

Tritanomaly

15.2130, 0.6330, 0.3309

Monochromacy



Original Color

15.1347, 0.6271, 0.3228

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.1957, 0.4856, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1347, 0.6271, 0.3228 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 26) }
```

Border

The CSS property to change the border of an element to Yxy 15.1347, 0.6271, 0.3228 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, 26) }
```

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

```
.border{ border-color:rgb(219, 0, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 26)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1347, 0.6271, 0.3228 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, 26) }
```

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

```
.background{ background-color: rgb(219, 0,  
26) }
```

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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