

Converting Colors

$Yxy(13.1976, 0.6405, 0.2957)$

Have a look what the booklet for
Yxy(13.1976, 0.6405, 0.2957)
contains.

Yxy(15.2000, 0.6163, 0.3168)	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(15.2000, 0.6163, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	DB0026
RGB	219, 0, 38
RGB Percent	86%, 0%, 15%
CMY	0.1411, 1.0000, 0.8509
CMYK	0.00, 1.00, 0.83, 0.14
HSL	350°, 100%, 43%
HSV	350°, 100%, 86%
XYZ	29.5699, 15.2000, 3.2098
YIQ	69.8130, 118.3260, 58.2460

Conversions

Conversions Part 2

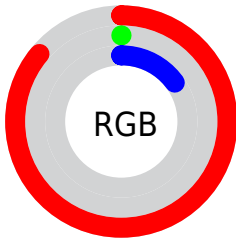
Format	Color
RYB	219, 0, 38
Decimal	14352422
CIELab	45.91, 71.96, 44.95
CIElCh	46, 84.845, 31.993
Yxy	15.2000, 0.6163, 0.3168
Android (android.graphics.Color)	4292542502 (0xFFDB0026)
YUV	69.8130, -15.6838, 130.8370
Hunter-Lab	38.9872, 67.1563, 22.4096

Details

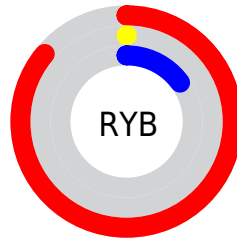
The Yxy color **15.2000, 0.6163, 0.3168** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **54.0150, 0.2405, 0.3856**, and the grayscale version is **6.1053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0449, 0.5334, 0.3338**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.2045, 0.6162, 0.3168**, and if you desaturate by 10%, it is **15.9212, 0.5882, 0.3099**.

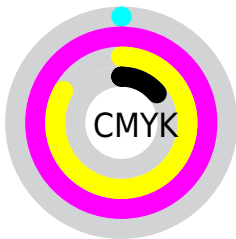
Distribution



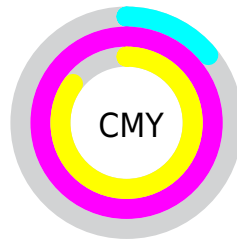
- Red (86%)
- Green (0%)
- Blue (15%)



- Red (86%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (14%)




- Cyan (14%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2000, 0.6163, 0.3168 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 15.2000, 0.6163, 0.3168 by changing the saturation by 10% instead.


 15.2000, 0.6163,
0.3168

 15.2000, 0.6163,
0.3168


224.5736, 0.4453,
0.3426


 8.9599, 0.6592,
0.3005


 35.2037, 0.5522,
0.3330


 4.7150, 0.7221,
0.2779

 49.7360, 0.5283,
0.3369


 2.0810, 0.7706,
0.2294

 67.8011, 0.5084,
0.3393

 0.6539, 0.8427,
0.1573

 89.7836, 0.4917,
0.3409

 0.0000, 1.0000,
0.0000


 116.0676, 0.4774,
0.3418


 0.0000, 0.0000,
0.0000


 147.0377, 0.4652,


0.3423

 183.0782, 0.4546,
0.3426


 15.2000, 0.6163,
0.3168


 15.2000, 0.6163,
0.3168


 15.2045, 0.6162,
0.3168

 15.9212, 0.5882,
0.3099

 17.3487, 0.5509,
0.3048

 19.7052, 0.5087,
0.3029

 23.1152, 0.4668,
0.3038

 27.6841, 0.4285,
0.3067

■ 33.5041, 0.3955,
0.3108

■ 40.6584, 0.3680,
0.3154

■ 49.2229, 0.3455,
0.3201

■ 59.2678, 0.3274,
0.3247

Harmonies

Analogous

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



15.2000, 0.5208, 0.2395



15.2000, 0.6163, 0.3168



15.2000, 0.5860, 0.4061

Triad

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



15.2000, 0.6163, 0.3168



15.2000, 0.2181, 0.6166



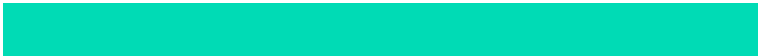
15.2000, 0.1187, 0.1209

Complementary

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



15.2000, 0.6163, 0.3168



54.0150, 0.2405, 0.3856

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.



15.2000, 0.0842, 0.1438



15.2000, 0.6163, 0.3168



15.2000, 0.1215, 0.4027

Square

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



15.2000, 0.6163, 0.3168



15.2000, 0.3460, 0.6331



15.2000, 0.0824, 0.2224



15.2000, 0.1988, 0.1311

Rectangle

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



15.2000, 0.6163, 0.3168



15.2000, 0.5198, 0.4802



15.2000, 0.0824, 0.2224



15.2000, 0.1031, 0.1243

Sweetspot

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



15.2045, 0.6162, 0.3168



57.0960, 0.3686, 0.3153



14.6846, 0.2744, 0.1285



11.2557, 0.3797, 0.3133



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.



15.2045, 0.6162, 0.3168



21.4437, 0.6178, 0.3177



19.3651, 0.5939, 0.3666



13.0882, 0.3264, 0.3250



9.0241, 0.6132, 0.3152



0.5960, 0.5703, 0.2916

Inverse Universe

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



15.2045, 0.6162, 0.3168



21.4437, 0.6178, 0.3177



26.8234, 0.1947, 0.2209



13.0882, 0.3264, 0.3250



9.0241, 0.6132, 0.3152



0.5960, 0.5703, 0.2916

Previews

White Background



This preview shows how the Yxy color 15.2000, 0.6163, 0.3168 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 15.2000, 0.6163, 0.3168 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 15.2000, 0.6163, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 15.2000, 0.6163, 0.3168.



This preview shows how white text looks on a background with the Yxy color 15.2000, 0.6163, 0.3168.

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

15.2000, 0.6163, 0.3168

Protanopia

15.8327, 0.3934, 0.4288

Deuteranopia

15.7160, 0.4645, 0.4574



Tritanopia

15.4057, 0.6339, 0.3349

Trichromacy



Original Color

15.2000, 0.6163, 0.3168

Protanomaly

11.9225, 0.5028, 0.3573

Deuteranomaly

12.5153, 0.5557, 0.3752

Tritanomaly

15.2250, 0.6309, 0.3297

Monochromacy



Original Color

15.2000, 0.6163, 0.3168

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.4673, 0.4723, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2000, 0.6163, 0.3168 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 15.2000, 0.6163, 0.3168 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, 38) }
```

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

```
.border{ border-color:rgb(219, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2000, 0.6163, 0.3168 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, 38) }
```

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

```
.background{ background-color: rgb(219, 0,  
38) }
```

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