

Converting Colors

$Y_{xy}(15.0227, 0.6076, 0.3329)$

Have a look what the booklet for
Yxy(15.0227, 0.6076, 0.3329)
contains.

Yxy(15.0571, 0.6073, 0.3332)	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(15.0571, 0.6073, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	D2241E
RGB	210, 36, 30
RGB Percent	82%, 14%, 12%
CMY	0.1765, 0.8588, 0.8823
CMYK	0.00, 0.83, 0.86, 0.18
HSL	2°, 75%, 47%
HSV	2°, 86%, 82%
XYZ	27.4435, 15.0571, 2.6888
YIQ	87.3420, 105.6300, 35.0220

Conversions

Conversions Part 2

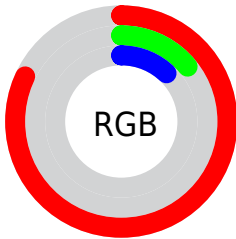
Format	Color
R _Y B	210, 36, 30
Decimal	13771806
CIE Lab	45.71, 64.47, 48.16
CIE LCh	46, 80.474, 36.759
Yxy	15.0571, 0.6073, 0.3332
Android (android.graphics.Color)	4291961886 (0xFFD2241E)
YUV	87.3420, -28.2696, 107.5711
Hunter-Lab	38.8035, 58.3369, 23.0541

Details

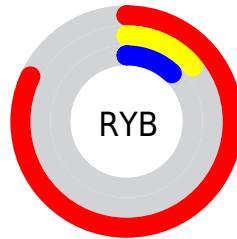
The Yxy color **15.0571, 0.6073, 0.3332** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **48.1106, 0.2245, 0.3200**, and the grayscale version is **9.6560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9102, 0.5323, 0.3491**, and **6.1110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0835, 0.6314, 0.3317**, and if you desaturate by 10%, it is **16.7997, 0.5690, 0.3342**.

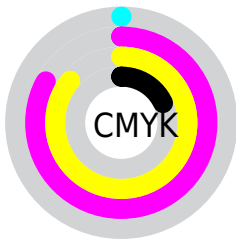
Distribution



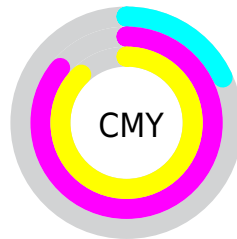
- Red (82%)
- Green (14%)
- Blue (12%)



- Red (82%)
- Yellow (14%)
- Blue (12%)



- Cyan (0%)
- Magenta (83%)
- Yellow (86%)
- Black (18%)





- Cyan (18%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0571, 0.6073, 0.3332 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 15.0571, 0.6073, 0.3332 by changing the saturation by 10% instead.


 15.0571, 0.6073,
0.3332


 15.0571, 0.6073,
0.3332


223.7116, 0.4419,
0.3507


 8.8595, 0.6481,
0.3182


 34.9533, 0.5457,
0.3467


 4.6496, 0.7044,
0.2956

 49.4207, 0.5226,
0.3494


 2.0432, 0.7518,
0.2482

 67.4134, 0.5033,
0.3509

 0.6324, 0.8260,
0.1740

 89.3160, 0.4871,
0.3515


 0.0000, 1.0000,
0.0000


 115.5126, 0.4732,
0.3516


 0.0000, 0.0000,
0.0000


 146.3879, 0.4613,

0.3515


 182.3260, 0.4510,
0.3511


 15.0571, 0.6073,
0.3332


 15.0571, 0.6073,
0.3332


 14.0835, 0.6314,
0.3317


 16.7997, 0.5690,
0.3342

 13.8536, 0.6380,
0.3316

 19.4235, 0.5230,
0.3344

 23.0255, 0.4762,
0.3341

 27.6889, 0.4334,
0.3334

 33.4882, 0.3968,
0.3324

■ 40.4913, 0.3665,
0.3314

■ 48.7606, 0.3419,
0.3304

■ 58.3543, 0.3222,
0.3295

■ 69.3270, 0.3063,
0.3286

Harmonies

Analogous

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



15.0571, 0.5341, 0.2555



15.0571, 0.6073, 0.3332



15.0571, 0.5659, 0.4245

Triad

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



15.0571, 0.6073, 0.3332



15.0571, 0.2064, 0.5768



15.0571, 0.1336, 0.1266

Complementary

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



15.0571, 0.6073, 0.3332



48.1106, 0.2245, 0.3200

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.



15.0571, 0.0934, 0.1439



15.0571, 0.6073, 0.3332



15.0571, 0.1191, 0.3661

Square

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



15.0571, 0.6073, 0.3332



15.0571, 0.3286, 0.6295



15.0571, 0.0870, 0.2105



15.0571, 0.2213, 0.1413

Rectangle

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



15.0571, 0.6073, 0.3332



15.0571, 0.5000, 0.5000



15.0571, 0.0870, 0.2105



15.0571, 0.1159, 0.1284

Sweetspot

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



15.0580, 0.6073, 0.3332



62.1448, 0.3681, 0.3315



18.9901, 0.3279, 0.1641



12.4485, 0.3781, 0.3318



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.



15.0580, 0.6073, 0.3332



21.4448, 0.6385, 0.3313



28.7179, 0.5043, 0.4226



11.8705, 0.3290, 0.3298



8.4797, 0.6374, 0.3321



0.4969, 0.6286, 0.3390

Inverse Universe

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



48.1106, 0.2245, 0.3200



73.4290, 0.2218, 0.3183



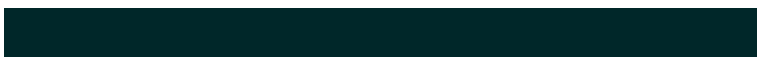
16.9649, 0.1847, 0.1723



13.3365, 0.2983, 0.3282



28.9200, 0.2218, 0.3186



1.6387, 0.2224, 0.3206

Previews

White Background



This preview shows how the Yxy color 15.0571, 0.6073, 0.3332 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 15.0571, 0.6073, 0.3332 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 15.0571, 0.6073, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 15.0571, 0.6073, 0.3332.



This preview shows how white text looks on a background with the Yxy color 15.0571, 0.6073, 0.3332.

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

15.0571, 0.6073, 0.3332

Protanopia

15.2075, 0.4082, 0.4477

Deuteranopia

15.3039, 0.4694, 0.4655



Tritanopia

15.0192, 0.6043, 0.3304

Trichromacy



Original Color

15.0571, 0.6073, 0.3332

Protanomaly

12.9670, 0.4979, 0.3900

Deuteranomaly

13.5086, 0.5400, 0.4015

Tritanomaly

15.0135, 0.6053, 0.3310

Monochromacy



Original Color

15.0571, 0.6073, 0.3332

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4331, 0.4438, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0571, 0.6073, 0.3332 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(210, 36, 30)` looks like.

```
.text, #text, p{  
    color:rgb(210, 36, 30)  
}
```

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(210, 36, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 36, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.0571, 0.6073, 0.3332 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(210, 36, 30) }
```

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

```
.border{ border-color:rgb(210, 36, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 36, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 36, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 36, 30);  
box-shadow:4px 4px 4px 4px rgb(210, 36,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0571, 0.6073, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 36, 30) }
```

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

```
.background{ background-color: rgb(210, 36,  
30) }
```

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