

Converting Colors

$Yxy(15.6455, 0.6073, 0.3373)$

Have a look what the booklet for
Yxy(15.6455, 0.6073, 0.3373)
contains.

Yxy(15.5938, 0.6075, 0.3370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.5938, 0.6075, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	D4281B
RGB	212, 40, 27
RGB Percent	83%, 16%, 11%
CMY	0.1686, 0.8432, 0.8939
CMYK	0.00, 0.81, 0.87, 0.17
HSL	4°, 77%, 47%
HSV	4°, 87%, 83%
XYZ	28.1105, 15.5938, 2.5681
YIQ	89.9460, 106.6850, 32.4210

Conversions

Conversions Part 2

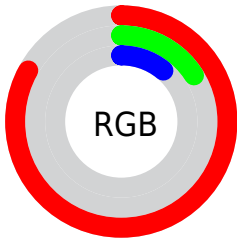
Format	Color
RYB	212, 41, 27
Decimal	13903899
CIELab	46.44, 64.00, 50.29
CIELCh	46, 81.401, 38.160
Yxy	15.5938, 0.6075, 0.3370
Android (android.graphics.Color)	4292093979 (0xFFD4281B)
YUV	89.9460, -31.0324, 107.0414
Hunter-Lab	39.4890, 57.9606, 23.7864

Details

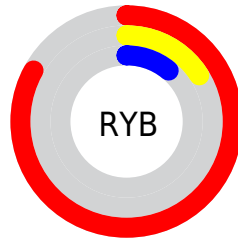
The Yxy color **15.5938, 0.6075, 0.3370** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **45.8643, 0.2214, 0.3098**, and the grayscale version is **10.2651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4549, 0.5327, 0.3541**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.5212, 0.6310, 0.3339**, and if you desaturate by 10%, it is **17.4152, 0.5705, 0.3392**.

Distribution



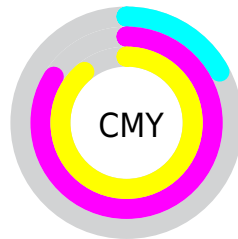
- Red (83%)
- Green (16%)
- Blue (11%)



- Red (83%)
- Yellow (16%)
- Blue (11%)



- Cyan (0%)
- Magenta (81%)
- Yellow (87%)
- Black (17%)




- Cyan (17%)
- Magenta (84%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5938, 0.6075, 0.3370 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 15.5938, 0.6075, 0.3370 by changing the saturation by 10% instead.


 15.5938, 0.6075,
0.3370


 15.5938, 0.6075,
0.3370


226.9327, 0.4436,
0.3531

 9.2372, 0.6472,
0.3223


 35.8916, 0.5470,
0.3502


 4.8962, 0.7004,
0.2996

 50.6015, 0.5242,
0.3527

 2.1865, 0.7465,
0.2535

 68.8647, 0.5050,
0.3540

 0.7126, 0.8158,
0.1842

 91.0655, 0.4888,
0.3545


 0.0000, 1.0000,
0.0000


 117.5883, 0.4749,
0.3545


 0.0000, 0.0000,
0.0000

 148.8175, 0.4630,


0.3542

 185.1375, 0.4527,
0.3537

 15.5938, 0.6075,
0.3370

 15.5938, 0.6075,
0.3370


 14.5212, 0.6310,
0.3339

 17.4152, 0.5705,
0.3392

 14.3354, 0.6356,
0.3335

 20.0874, 0.5257,
0.3399

 23.6986, 0.4798,
0.3394

 28.3255, 0.4374,
0.3380

 34.0366, 0.4007,
0.3362

■ 40.8946, 0.3701,
0.3342

■ 48.9572, 0.3451,
0.3322

■ 58.2786, 0.3249,
0.3303

■ 68.9093, 0.3086,
0.3285

Harmonies

Analogous

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



15.5938, 0.5403, 0.2591



15.5938, 0.6075, 0.3370



15.5938, 0.5620, 0.4294

Triad

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



15.5938, 0.6075, 0.3370



15.5938, 0.2012, 0.5689



15.5938, 0.1365, 0.1266

Complementary

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



15.5938, 0.6075, 0.3370



45.8643, 0.2214, 0.3098

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.



15.5938, 0.0945, 0.1422



15.5938, 0.6075, 0.3370



15.5938, 0.1165, 0.3565

Square

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



15.5938, 0.6075, 0.3370



15.5938, 0.3227, 0.6315



15.5938, 0.0866, 0.2058



15.5938, 0.2269, 0.1428

Rectangle

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



15.5938, 0.6075, 0.3370



15.5938, 0.4946, 0.5054



15.5938, 0.0866, 0.2058



15.5938, 0.1181, 0.1279

Sweetspot

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



15.5948, 0.6075, 0.3370



63.2114, 0.3674, 0.3340



18.9395, 0.3358, 0.1676



12.6926, 0.3773, 0.3347



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.



15.5948, 0.6075, 0.3370



21.6876, 0.6364, 0.3329



30.5421, 0.4999, 0.4290



12.5589, 0.3289, 0.3307



8.9030, 0.6345, 0.3344



0.5870, 0.6180, 0.3475

Inverse Universe

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



45.8643, 0.2214, 0.3098



67.8780, 0.2185, 0.3066



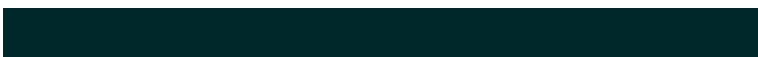
15.5443, 0.1806, 0.1594



13.9521, 0.2983, 0.3273



27.6943, 0.2187, 0.3071



1.7160, 0.2198, 0.3112

Previews

White Background



This preview shows how the Yxy color 15.5938, 0.6075, 0.3370 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 15.5938, 0.6075, 0.3370 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 15.5938, 0.6075, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 15.5938, 0.6075, 0.3370.



This preview shows how white text looks on a background with the Yxy color 15.5938, 0.6075, 0.3370.

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

15.5938, 0.6075, 0.3370

Protanopia

15.8358, 0.4133, 0.4529

Deuteranopia

15.6786, 0.4703, 0.4648



Tritanopia

15.5880, 0.5984, 0.3305

Trichromacy



Original Color

15.5938, 0.6075, 0.3370

Protanomaly

13.7049, 0.5005, 0.3963

Deuteranomaly

14.0138, 0.5389, 0.4034

Tritanomaly

15.5636, 0.6023, 0.3328

Monochromacy



Original Color

15.5938, 0.6075, 0.3370

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.1083, 0.4411, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5938, 0.6075, 0.3370 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(212, 40, 27)` looks like.

```
.text, #text, p{  
    color:rgb(212, 40, 27)  
}
```

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(212, 40, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 40, 27) }
```

Border

The CSS property to change the border of an element to Yxy 15.5938, 0.6075, 0.3370 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(212, 40, 27) }
```

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

```
.border{ border-color:rgb(212, 40, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 40, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 40, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 40, 27);  
box-shadow:4px 4px 4px 4px rgb(212, 40,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5938, 0.6075, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 40, 27) }
```

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

```
.background{ background-color: rgb(212, 40,  
27) }
```

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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