

Converting Colors

$Y_{xy}(15.4410, 0.6148, 0.3481)$

Have a look what the booklet for
Yxy(15.4410, 0.6148, 0.3481)
contains.

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Color

Yxy(15.4408, 0.6145, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	D12D04
RGB	209, 45, 4
RGB Percent	82%, 18%, 2%
CMY	0.1803, 0.8236, 0.9843
CMYK	0.00, 0.78, 0.98, 0.18
HSL	12°, 96%, 42%
HSV	12°, 98%, 82%
XYZ	27.2576, 15.4408, 1.6590
YIQ	89.3620, 110.9050, 22.0170

Conversions

Conversions Part 2

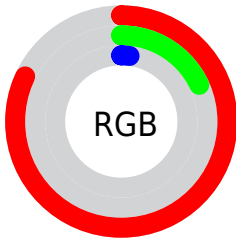
Format	Color
RYB	209, 55, 4
Decimal	13708548
CIELab	46.23, 61.48, 57.71
CIElCh	46, 84.329, 43.189
Yxy	15.4408, 0.6145, 0.3481
Android (android.graphics.Color)	4291898628 (0xFFD12D04)
YUV	89.3620, -42.0835, 104.9225
Hunter-Lab	39.2948, 55.0542, 25.0032

Details

The Yxy color **15.4408, 0.6145, 0.3481** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.6497, 0.2070, 0.2644**, and the grayscale version is **10.1507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6789, 0.5441, 0.3661**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1972, 0.6189, 0.3468**, and if you desaturate by 10%, it is **17.0409, 0.5878, 0.3555**.

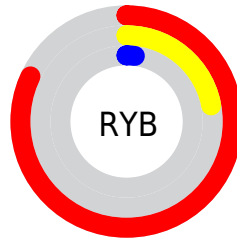
Distribution



Red (82%)

Green (18%)

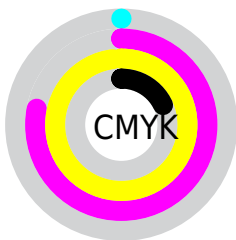
Blue (2%)



Red (82%)

Yellow (22%)

Blue (2%)

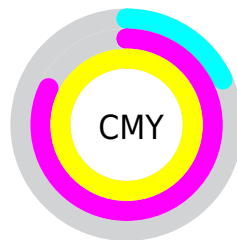


Cyan (0%)

Magenta (78%)

Yellow (98%)

Black (18%)



Cyan (18%)


Magenta (82%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4408, 0.6145, 0.3481 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 15.4408, 0.6145, 0.3481 by changing the saturation by 10% instead.


 15.4408, 0.6145,
0.3481


 15.4408, 0.6145,
0.3481


 226.0190, 0.4505,
0.3623

 9.1293, 0.6543,
0.3336


 35.6246, 0.5559,
0.3620


 4.8256, 0.6947,
0.3053

 50.2658, 0.5331,
0.3643

 2.1453, 0.7405,
0.2595

 68.4523, 0.5137,
0.3653

 0.6899, 0.8110,
0.1890

 90.5686, 0.4972,
0.3653


 0.0000, 1.0000,
0.0000


 116.9990, 0.4830,
0.3649


 0.0000, 0.0000,
0.0000


 148.1279, 0.4707,


0.3642


 184.3398, 0.4599,
0.3633


 15.4408, 0.6145,
0.3481

 15.4408, 0.6145,
0.3481


 15.1972, 0.6189,
0.3468

 17.0409, 0.5878,
0.3555

 19.2638, 0.5519,
0.3598

 22.1720, 0.5110,
0.3607

 25.8178, 0.4698,
0.3586

 30.2479, 0.4317,
0.3546

■ 35.5051, 0.3982,
0.3494

■ 41.6291, 0.3697,
0.3439

■ 48.6569, 0.3459,
0.3383

■ 56.6235, 0.3261,
0.3330

Harmonies

Analogous

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



15.4408, 0.5693, 0.2689



15.4408, 0.6145, 0.3481



15.4408, 0.5524, 0.4476

Triad

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



15.4408, 0.6145, 0.3481



15.4408, 0.1777, 0.5473



15.4408, 0.1434, 0.1226

Complementary

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



15.4408, 0.6145, 0.3481



32.6497, 0.2070, 0.2644

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.



15.4408, 0.0943, 0.1320



15.4408, 0.6145, 0.3481



15.4408, 0.1023, 0.3222

Square

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



15.4408, 0.6145, 0.3481



15.4408, 0.2976, 0.6476



15.4408, 0.0807, 0.1853



15.4408, 0.2456, 0.1440

Rectangle

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



15.4408, 0.6145, 0.3481



15.4408, 0.4741, 0.5259



15.4408, 0.0807, 0.1853



15.4408, 0.1222, 0.1221

Sweetspot

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



15.4418, 0.6145, 0.3481



64.0017, 0.3730, 0.3446



16.6010, 0.3727, 0.1834



12.7918, 0.3850, 0.3470



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.



15.4418, 0.6145, 0.3481



23.6248, 0.6205, 0.3455



33.5417, 0.4872, 0.4501



12.1854, 0.3286, 0.3337



9.4813, 0.6167, 0.3486



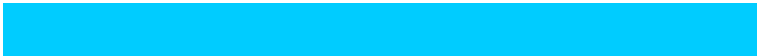
0.6443, 0.5814, 0.3765

Inverse Universe

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



32.6497, 0.2070, 0.2644



50.4214, 0.2062, 0.2622



8.8777, 0.1631, 0.1058



12.9889, 0.2983, 0.3242



20.0720, 0.2067, 0.2640



1.2268, 0.2104, 0.2773

Previews

White Background



This preview shows how the Yxy color 15.4408, 0.6145, 0.3481 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 15.4408, 0.6145, 0.3481 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 15.4408, 0.6145, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 15.4408, 0.6145, 0.3481.



This preview shows how white text looks on a background with the Yxy color 15.4408, 0.6145, 0.3481.

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

15.4408, 0.6145, 0.3481

Protanopia

15.7242, 0.4281, 0.4750

Deuteranopia

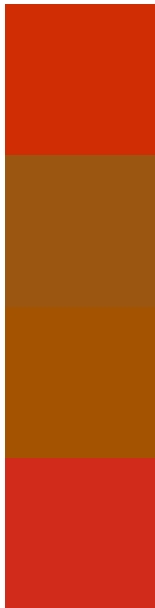
15.5921, 0.4690, 0.4658



Tritanopia

15.3784, 0.5907, 0.3298

Trichromacy



Original Color

15.4408, 0.6145, 0.3481

Protanomaly

13.8254, 0.5136, 0.4170

Deuteranomaly

14.0812, 0.5372, 0.4109

Tritanomaly

15.3669, 0.6034, 0.3388

Monochromacy



Original Color

15.4408, 0.6145, 0.3481

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0571, 0.4555, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4408, 0.6145, 0.3481 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(209, 45, 4)` looks like.

```
.text, #text, p{  
    color:rgb(209, 45, 4)  
}
```

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(209, 45, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 45, 4) }
```

Border

The CSS property to change the border of an element to Yxy 15.4408, 0.6145, 0.3481 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(209, 45, 4) }
```

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

```
.border{ border-color:rgb(209, 45, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 45, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 45, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 45, 4);  
box-shadow:4px 4px 4px 4px rgb(209, 45, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4408, 0.6145, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 45, 4) }
```

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

```
.background{ background-color: rgb(209, 45,  
4) }
```

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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