

Converting Colors

$Yxy(15.0544, 0.6069, 0.3506)$

Have a look what the booklet for
Yxy(15.0544, 0.6069, 0.3506)
contains.

Yxy(15.0559, 0.6069, 0.3507)	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(15.0559, 0.6069, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	CC310A
RGB	204, 49, 10
RGB Percent	80%, 19%, 4%
CMY	0.2000, 0.8078, 0.9607
CMYK	0.00, 0.76, 0.95, 0.20
HSL	12°, 91%, 42%
HSV	12°, 95%, 80%
XYZ	26.0548, 15.0559, 1.8203
YIQ	90.8990, 104.8990, 20.7310

Conversions

Conversions Part 2

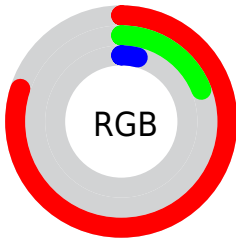
Format	Color
RYB	204, 59, 10
Decimal	13381898
CIELab	45.71, 58.81, 55.26
CIElCh	46, 80.697, 43.217
Yxy	15.0559, 0.6069, 0.3507
Android (android.graphics.Color)	4291571978 (0xFFCC310A)
YUV	90.8990, -39.8832, 99.1896
Hunter-Lab	38.8019, 51.9563, 24.3799

Details

The Yxy color **15.0559, 0.6069, 0.3507** 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 **31.3333, 0.2080, 0.2662**, and the grayscale version is **10.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1232, 0.5398, 0.3661**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.4240, 0.6184, 0.3472**, and if you desaturate by 10%, it is **16.7495, 0.5772, 0.3574**.

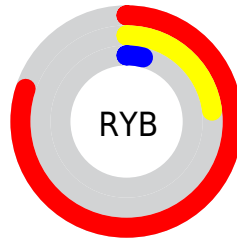
Distribution



Red (80%)

Green (19%)

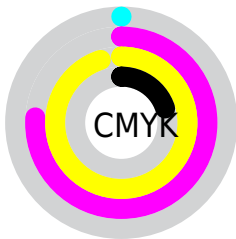
Blue (4%)



Red (80%)

Yellow (23%)

Blue (4%)

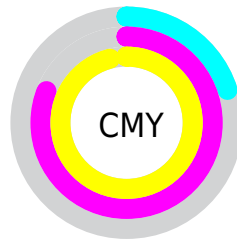


Cyan (0%)

Magenta (76%)

Yellow (95%)

Black (20%)



Cyan (20%)


Magenta (81%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0559, 0.6069, 0.3507 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 15.0559, 0.6069, 0.3507 by changing the saturation by 10% instead.


 15.0559, 0.6069,
0.3507


 15.0559, 0.6069,
0.3507


 223.7043, 0.4451,
0.3617


 8.8586, 0.6464,
0.3369


 34.9512, 0.5483,
0.3630


 4.6491, 0.6896,
0.3104


 49.4180, 0.5258,
0.3649


 2.0429, 0.7355,
0.2645

 67.4102, 0.5067,
0.3654

 0.6322, 0.8098,
0.1902

 89.3120, 0.4905,
0.3653

 0.0000, 1.0000,
0.0000


 115.5080, 0.4767,
0.3646


 0.0000, 0.0000,
0.0000


 146.3824, 0.4647,

0.3637


 182.3197, 0.4542,
0.3627


 15.0559, 0.6069,
0.3507


 15.0559, 0.6069,
0.3507


 14.4240, 0.6184,
0.3472

 16.7495, 0.5772,
0.3574

 19.0504, 0.5392,
0.3607

 22.0130, 0.4979,
0.3605

 25.6844, 0.4576,
0.3577

 30.1073, 0.4209,
0.3532

■ 35.3208, 0.3890,
0.3479

■ 41.3614, 0.3620,
0.3423

■ 48.2634, 0.3396,
0.3367

■ 56.0588, 0.3209,
0.3315

Harmonies

Analogous

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



15.0559, 0.5612, 0.2717



15.0559, 0.6069, 0.3507



15.0559, 0.5483, 0.4484

Triad

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



15.0559, 0.6069, 0.3507



15.0559, 0.1827, 0.5381



15.0559, 0.1475, 0.1269

Complementary

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



15.0559, 0.6069, 0.3507



31.3333, 0.2080, 0.2662

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.



15.0559, 0.0986, 0.1366



15.0559, 0.6069, 0.3507



15.0559, 0.1076, 0.3234

Square

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



15.0559, 0.6069, 0.3507



15.0559, 0.3010, 0.6369



15.0559, 0.0853, 0.1898



15.0559, 0.2480, 0.1481

Rectangle

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



15.0559, 0.6069, 0.3507



15.0559, 0.4744, 0.5256



15.0559, 0.0853, 0.1898



15.0559, 0.1264, 0.1265

Sweetspot

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



15.0568, 0.6069, 0.3507



64.0410, 0.3730, 0.3447



15.7784, 0.3759, 0.1864



12.8009, 0.3850, 0.3471



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.



15.0568, 0.6069, 0.3507



23.6512, 0.6203, 0.3457



33.3560, 0.4794, 0.4542



11.5729, 0.3285, 0.3337



9.1858, 0.6163, 0.3489



0.5838, 0.5787, 0.3787

Inverse Universe

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



31.3333, 0.2080, 0.2662



50.2783, 0.2061, 0.2618



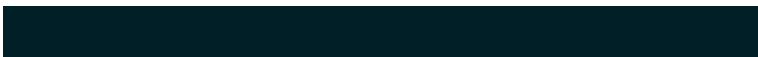
8.5836, 0.1643, 0.1076



12.3289, 0.2983, 0.3242



19.3622, 0.2066, 0.2637



1.0987, 0.2105, 0.2778

Previews

White Background



This preview shows how the Yxy color 15.0559, 0.6069, 0.3507 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 15.0559, 0.6069, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

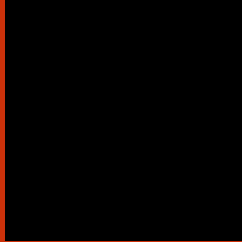
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0559, 0.6069, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 15.0559, 0.6069, 0.3507.



This preview shows how white text looks on a background with the Yxy color 15.0559, 0.6069, 0.3507.

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

15.0559, 0.6069, 0.3507

Protanopia

15.2228, 0.4289, 0.4723

Deuteranopia

15.3039, 0.4694, 0.4655



Tritanopia

15.1384, 0.5796, 0.3290

Trichromacy



Original Color

15.0559, 0.6069, 0.3507

Protanomaly

13.5423, 0.5082, 0.4176

Deuteranomaly

14.0308, 0.5322, 0.4128

Tritanomaly

15.1277, 0.5931, 0.3388

Monochromacy



Original Color

15.0559, 0.6069, 0.3507

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4222, 0.4430, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0559, 0.6069, 0.3507 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(204, 49, 10)` looks like.

```
.text, #text, p{  
    color:rgb(204, 49, 10)  
}
```

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(204, 49, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 49, 10) }
```

Border

The CSS property to change the border of an element to Yxy 15.0559, 0.6069, 0.3507 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(204, 49, 10) }
```

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

```
.border{ border-color:rgb(204, 49, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 49, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 49, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 49, 10);  
box-shadow:4px 4px 4px 4px rgb(204, 49,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0559, 0.6069, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 49, 10) }
```

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

```
.background{ background-color: rgb(204, 49,  
10) }
```

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