

Converting Colors

$Y_{xy}(15.1817, 0.3045, 0.3816)$

Have a look what the booklet for
Yxy(15.1817, 0.3045, 0.3816)
contains.

Yxy(15.1089, 0.3052, 0.3815)	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

$Y_{xy}(15.1089, 0.3052, 0.3815)$

Conversions

Conversions Part 1

Format	Color
Hex	58735C
RGB	88, 115, 92
RGB Percent	35%, 45%, 36%
CMY	0.6549, 0.5490, 0.6392
CMYK	0.23, 0.00, 0.20, 0.55
HSL	129°, 13%, 40%
HSV	129°, 23%, 45%
XYZ	12.0871, 15.1089, 12.4079
YIQ	104.3050, -8.7090, -12.8770

Conversions

Conversions Part 2

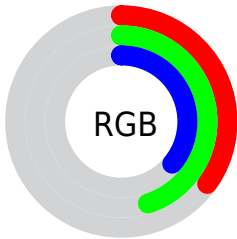
Format	Color
RYB	88, 112, 115
Decimal	5796700
CIELab	45.78, -14.87, 9.56
CIELCh	46, 17.675, 147.263
Yxy	15.1089, 0.3052, 0.3815
Android (android.graphics.Color)	4283986780 (0xFF58735C)
YUV	104.3050, -6.0664, -14.2995
Hunter-Lab	38.8702, -12.5162, 8.2829

Details

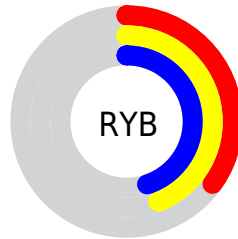
The Yxy color **15.1089, 0.3052, 0.3815** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7709, 0.3213, 0.2816**, and the grayscale version is **13.9481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9937, 0.3072, 0.3684**, and **4.7038, 0.3012, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **14.4316, 0.3021, 0.4081**, and if you desaturate by 10%, it is **15.8981, 0.3084, 0.3574**.

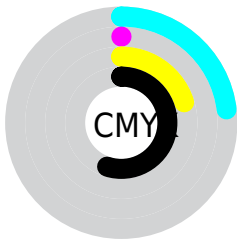
Distribution



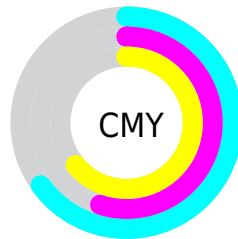
- Red (35%)
- Green (45%)
- Blue (36%)



- Red (35%)
- Yellow (44%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1089, 0.3052, 0.3815 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 15.1089, 0.3052, 0.3815 by changing the saturation by 10% instead.

■ 15.1089, 0.3052,
0.3815

■ 15.1089, 0.3052,
0.3815

■ 224.0244, 0.3101,
0.3495

■ 8.8959, 0.3033,
0.3924

■ 35.0441, 0.3074,
0.3680

■ 4.6733, 0.3003,
0.4091

■ 49.5351, 0.3080,
0.3636

■ 2.0569, 0.2946,
0.4374

■ 67.5541, 0.3086,
0.3600

■ 0.6402, 0.2685,
0.7000

■ 89.4856, 0.3090,
0.3572

■ 0.0000, 0.0000,
0.0000

■ 115.7140, 0.3093,
0.3548

146.6237, 0.3096,

0.3527

182.5990, 0.3099,
0.3510

■ 15.1089, 0.3052,
0.3815

■ 15.1089, 0.3052,
0.3815

■ 14.4316, 0.3021,
0.4081

■ 15.8981, 0.3084,
0.3574

■ 13.8594, 0.2992,
0.4367

■ 16.8021, 0.3116,
0.3359

■ 13.3874, 0.2967,
0.4667

■ 17.8258, 0.3147,
0.3169

■ 13.0100, 0.2950,
0.4967

■ 18.9733, 0.3177,
0.3003

■ 12.7206, 0.2940,
0.5254

■ 20.2488, 0.3204,
0.2858

■ 12.5119, 0.2940,
0.5509

■ 21.6559, 0.3230,
0.2732

■ 12.3743, 0.2949,
0.5716

■ 23.1983, 0.3254,
0.2623

■ 12.3030, 0.2952,
0.5826

■ 24.8794, 0.3276,
0.2528

■ 26.7027, 0.3296,
0.2446

Harmonies

Analogous

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



15.1089, 0.3410, 0.3935



15.1089, 0.3052, 0.3815



15.1089, 0.2727, 0.3525

Triad

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



15.1089, 0.3052, 0.3815



15.1089, 0.2568, 0.2727



15.1089, 0.3778, 0.3347

Complementary

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



15.1089, 0.3052, 0.3815



11.7709, 0.3213, 0.2816

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.



15.1089, 0.3527, 0.3061



15.1089, 0.3052, 0.3815



15.1089, 0.2822, 0.2714

Square

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



15.1089, 0.3052, 0.3815



15.1089, 0.2460, 0.2888



15.1089, 0.3171, 0.2835



15.1089, 0.3842, 0.3636

Rectangle

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



15.1089, 0.3052, 0.3815



15.1089, 0.2570, 0.3291



15.1089, 0.3171, 0.2835



15.1089, 0.3712, 0.3248

Sweetspot

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



15.1095, 0.3052, 0.3815



29.4626, 0.3104, 0.3435



16.3722, 0.3412, 0.3852



7.0130, 0.3103, 0.3444



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.1095, 0.3052, 0.3815



26.3936, 0.3035, 0.3952



15.3585, 0.2905, 0.3510



4.1063, 0.3098, 0.3476



14.0619, 0.2954, 0.5834



68.4440, 0.2971, 0.5895

Inverse Universe

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



11.7709, 0.3213, 0.2816



19.3395, 0.3235, 0.2708



11.5035, 0.3417, 0.3081



3.7490, 0.3157, 0.3111



5.1699, 0.3609, 0.1762



25.0940, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 15.1089, 0.3052, 0.3815 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 15.1089, 0.3052, 0.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

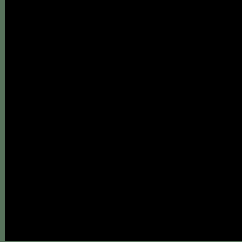
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

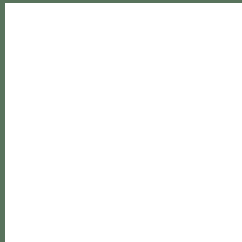
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.1089, 0.3052, 0.3815

Background



This preview shows how black text looks on a background with the Yxy color 15.1089, 0.3052, 0.3815.



This preview shows how white text looks on a background with the Yxy color 15.1089, 0.3052, 0.3815.

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

15.1089, 0.3052, 0.3815

Protanopia

15.0238, 0.3463, 0.3688

Deuteranopia

14.9939, 0.3558, 0.3491



Tritanopia

15.0521, 0.2796, 0.3097

Trichromacy



Original Color

15.1089, 0.3052, 0.3815

Protanomaly

15.1103, 0.3310, 0.3745

Deuteranomaly

14.8949, 0.3365, 0.3608

Tritanomaly

14.9383, 0.2884, 0.3333

Monochromacy



Original Color

15.1089, 0.3052, 0.3815

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2419, 0.3092, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1089, 0.3052, 0.3815 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(88, 115, 92)` looks like.

```
.text, #text, p{  
    color:rgb(88, 115, 92)  
}
```

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(88, 115, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 115, 92) }
```

Border

The CSS property to change the border of an element to Yxy 15.1089, 0.3052, 0.3815 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(88, 115, 92) }
```

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

```
.border{ border-color:rgb(88, 115, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 115, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 115, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 115, 92);  
box-shadow:4px 4px 4px 4px rgb(88, 115,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1089, 0.3052, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 115, 92) }
```

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

```
.background{ background-color: rgb(88, 115,  
92) }
```

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