

Converting Colors

$Yxy(15.8589, 0.3087, 0.4147)$

Have a look what the booklet for
Yxy(15.8589, 0.3087, 0.4147)
contains.

Yxy(15.8965, 0.3087, 0.4143)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8965, 0.3087, 0.4143)

Conversions

Conversions Part 1

Format	Color
Hex	537853
RGB	83, 120, 83
RGB Percent	33%, 47%, 33%
CMY	0.6745, 0.5294, 0.6745
CMYK	0.31, 0.00, 0.31, 0.53
HSL	120°, 18%, 40%
HSV	120°, 31%, 47%
XYZ	11.8447, 15.8965, 10.6284
YIQ	104.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

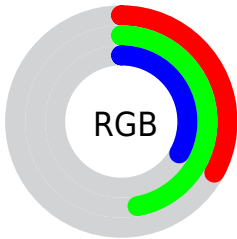
Format	Color
R_{YB}	83, 120, 120
Decimal	5470291
CIE _{Lab}	46.84, -21.11, 16.25
CIE _{LCh}	47, 26.643, 142.402
Yxy	15.8965, 0.3087, 0.4143
Android (android.graphics.Color)	4283660371 (0xFF537853)
YUV	104.7190, -10.7075, -19.0476
Hunter-Lab	39.8704, -16.7446, 12.1042

Details

The Yxy color **15.8965, 0.3087, 0.4143** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.5346, 0.3161, 0.2563**, and the grayscale version is **14.0781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6489, 0.3106, 0.3924**, and **5.0215, 0.3033, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **15.2282, 0.3071, 0.4475**, and if you desaturate by 10%, it is **16.6927, 0.3102, 0.3835**.

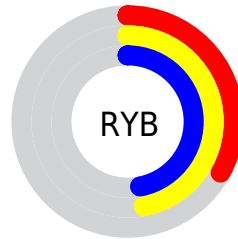
Distribution



Red (33%)

Green (47%)

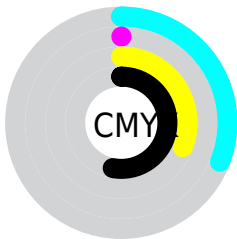
Blue (33%)



Red (33%)

Yellow (47%)

Blue (47%)

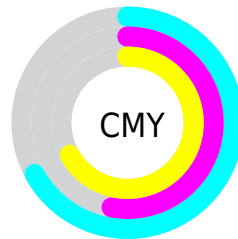


Cyan (31%)

Magenta (0%)

Yellow (31%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8965, 0.3087, 0.4143 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 15.8965, 0.3087, 0.4143 by changing the saturation by 10% instead.


 15.8965, 0.3087,
0.4143


 15.8965, 0.3087,
0.4143


228.7302, 0.3121,
0.3621

 9.4509, 0.3068,
0.4322


 36.4184, 0.3105,
0.3922


 5.0365, 0.3033,
0.4594


 51.2636, 0.3110,
0.3850


 2.2687, 0.2958,
0.5052

 69.6774, 0.3114,
0.3792

 0.7571, 0.2125,
0.7875

 92.0443, 0.3116,
0.3745

 0.0000, 0.0000,
0.0000

 118.7486, 0.3118,
0.3706

150.1748, 0.3119,

0.3673

186.7072, 0.3121,
0.3645

■ 15.8965, 0.3087,
0.4143

■ 15.8965, 0.3087,
0.4143

■ 15.2282, 0.3071,
0.4475

■ 16.6927, 0.3102,
0.3835

■ 14.6793, 0.3055,
0.4817

■ 17.6208, 0.3115,
0.3556

■ 14.2434, 0.3040,
0.5153


■ 18.6872, 0.3126,
0.3309


■ 13.9125, 0.3025,
0.5457

■ 19.8972, 0.3136,
0.3094


■ 13.6779, 0.3014,
0.5705

■ 21.2558, 0.3145,
0.2907


 13.5292, 0.3006,
0.5880

 22.7680, 0.3153,
0.2745

 13.4340, 0.3000,
0.6000

 24.4382, 0.3159,
0.2606

 26.2708, 0.3165,
0.2486

 28.2702, 0.3170,
0.2383

Harmonies

Analogous

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



15.8965, 0.3607, 0.4256



15.8965, 0.3087, 0.4143



15.8965, 0.2602, 0.3725

Triad

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



15.8965, 0.3087, 0.4143



15.8965, 0.2280, 0.2495



15.8965, 0.4053, 0.3285

Complementary

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



15.8965, 0.3087, 0.4143



11.5346, 0.3161, 0.2563

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.



15.8965, 0.3637, 0.2894



15.8965, 0.3087, 0.4143



15.8965, 0.2605, 0.2454

Square

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



15.8965, 0.3087, 0.4143



15.8965, 0.2165, 0.2742



15.8965, 0.3095, 0.2600



15.8965, 0.4192, 0.3703

Rectangle

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



15.8965, 0.3087, 0.4143



15.8965, 0.2362, 0.3364



15.8965, 0.3095, 0.2600



15.8965, 0.3940, 0.3148

Sweetspot

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



15.8972, 0.3087, 0.4143



31.2769, 0.3117, 0.3514



18.0517, 0.3569, 0.4021



7.3612, 0.3115, 0.3545



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.8972, 0.3087, 0.4143



27.1048, 0.3076, 0.4376



16.2220, 0.2891, 0.3705



4.4500, 0.3117, 0.3510



14.6547, 0.3000, 0.6000



69.9040, 0.3000, 0.6000

Inverse Universe

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



11.5346, 0.3161, 0.2563



18.1423, 0.3169, 0.2400



11.1281, 0.3456, 0.2911



4.0775, 0.3137, 0.3079



5.8346, 0.3210, 0.1542



27.8312, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 15.8965, 0.3087, 0.4143 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 15.8965, 0.3087, 0.4143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

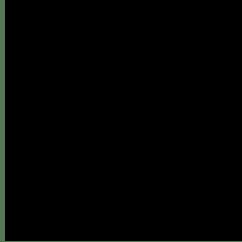
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8965, 0.3087, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 15.8965, 0.3087, 0.4143.



This preview shows how white text looks on a background with the Yxy color 15.8965, 0.3087, 0.4143.

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

15.8965, 0.3087, 0.4143

Protanopia

15.8553, 0.3654, 0.3940

Deuteranopia

15.7258, 0.3751, 0.3678



Tritanopia

15.9409, 0.2738, 0.3100

Trichromacy



Original Color

15.8965, 0.3087, 0.4143

Protanomaly

15.6780, 0.3439, 0.4020

Deuteranomaly

15.5355, 0.3488, 0.3834

Tritanomaly

15.9014, 0.2865, 0.3465

Monochromacy



Original Color

15.8965, 0.3087, 0.4143

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5563, 0.3114, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8965, 0.3087, 0.4143 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(83, 120, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 120, 83)  
}
```

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(83, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 120, 83) }
```

Border

The CSS property to change the border of an element to Yxy 15.8965, 0.3087, 0.4143 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(83, 120, 83) }
```

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

```
.border{ border-color:rgb(83, 120, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 120, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 120, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 120, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 120,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8965, 0.3087, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 120, 83) }
```

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

```
.background{ background-color: rgb(83, 120,  
83) }
```

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