

Converting Colors

$Y_{xy}(17.6493, 0.3112, 0.4266)$

Have a look what the booklet for
Yxy(17.6493, 0.3112, 0.4266)
contains.

Yxy(17.7346, 0.3103, 0.4267)	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(17.7346, 0.3103, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	557F53
RGB	85, 127, 83
RGB Percent	33%, 50%, 33%
CMY	0.6667, 0.5019, 0.6744
CMYK	0.33, 0.00, 0.35, 0.50
HSL	117°, 21%, 41%
HSV	117°, 35%, 50%
XYZ	12.8968, 17.7346, 10.9309
YIQ	109.4260, -10.9080, -22.5880

Conversions

Conversions Part 2

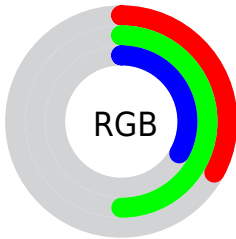
Format	Color
RYB	83, 127, 125
Decimal	5603155
CIELab	49.17, -23.98, 19.41
CIELCh	49, 30.857, 141.012
Yxy	17.7346, 0.3103, 0.4267
Android (android.graphics.Color)	4283793235 (0xFF557F53)
YUV	109.4260, -13.0280, -21.4216
Hunter-Lab	42.1125, -19.0320, 14.0892

Details

The Yxy color **17.7346, 0.3103, 0.4267** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.0848, 0.3136, 0.2463**, and the grayscale version is **15.4605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5702, 0.3118, 0.4018**, and **5.9757, 0.3057, 0.4781** is the 20% darker color. If you saturate the color by 10%, you get **17.0369, 0.3091, 0.4603**, and if you desaturate by 10%, it is **18.5672, 0.3112, 0.3950**.

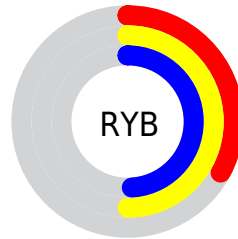
Distribution



Red (33%)

Green (50%)

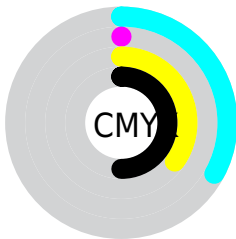
Blue (33%)



Red (33%)

Yellow (50%)

Blue (49%)

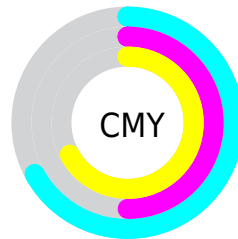


Cyan (33%)

Magenta (0%)

Yellow (35%)

Black (50%)



Cyan (67%)

Magenta (50%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7346, 0.3103, 0.4267 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 17.7346, 0.3103, 0.4267 by changing the saturation by 10% instead.


 17.7346, 0.3103,
0.4267


 17.7346, 0.3103,
0.4267


239.3708, 0.3131,
0.3676


 10.7596, 0.3085,
0.4464


 39.5846, 0.3120,
0.4020


 5.9054, 0.3049,
0.4759

 55.2283, 0.3124,
0.3938

 2.7877, 0.2970,
0.5238

 74.5305, 0.3126,
0.3872

 1.0219, 0.2709,
0.7291

 97.8754, 0.3128,
0.3818

 0.0000, 0.0000,
0.0000

 125.6475, 0.3129,
0.3774

158.2312, 0.3130,

0.3736

196.0108, 0.3131,
0.3704

■ 17.7346, 0.3103,
0.4267

■ 17.7346, 0.3103,
0.4267

■ 17.0369, 0.3091,
0.4603

■ 18.5672, 0.3112,
0.3950

■ 16.4647, 0.3078,
0.4943

■ 19.5387, 0.3120,
0.3659

■ 16.0115, 0.3063,
0.5268


■ 20.6560, 0.3125,
0.3400

■ 15.6686, 0.3047,
0.5552


■ 21.9248, 0.3129,
0.3171


■ 15.4268, 0.3031,
0.5775

■ 23.3503, 0.3132,
0.2972

 15.2743, 0.3017,
0.5923

 24.9377, 0.3134,
0.2799

 15.2164, 0.3015,
0.5988

 26.6919, 0.3135,
0.2649

 28.6174, 0.3136,
0.2520

 30.7189, 0.3136,
0.2408

Harmonies

Analogous

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



17.7346, 0.3679, 0.4366



17.7346, 0.3103, 0.4267



17.7346, 0.2563, 0.3805

Triad

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



17.7346, 0.3103, 0.4267



17.7346, 0.2180, 0.2416



17.7346, 0.4147, 0.3256

Complementary

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



17.7346, 0.3103, 0.4267



12.0848, 0.3136, 0.2463

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.



17.7346, 0.3668, 0.2833



17.7346, 0.3103, 0.4267



17.7346, 0.2525, 0.2366

Square

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



17.7346, 0.3103, 0.4267



17.7346, 0.2065, 0.2694



17.7346, 0.3060, 0.2518



17.7346, 0.4316, 0.3716

Rectangle

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



17.7346, 0.3103, 0.4267



17.7346, 0.2292, 0.3396



17.7346, 0.3060, 0.2518



17.7346, 0.4015, 0.3107

Sweetspot

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



17.7354, 0.3103, 0.4267



35.8333, 0.3122, 0.3541



19.7550, 0.3637, 0.4077



8.3350, 0.3122, 0.3573



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.7354, 0.3103, 0.4267



30.6953, 0.3094, 0.4547



17.9952, 0.2885, 0.3818



4.8272, 0.3123, 0.3512



15.3450, 0.3015, 0.5988



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0848, 0.3136, 0.2463



18.8826, 0.3135, 0.2270



11.7680, 0.3476, 0.2818



4.4029, 0.3131, 0.3077



5.6682, 0.3101, 0.1482



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7346, 0.3103, 0.4267 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 17.7346, 0.3103, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

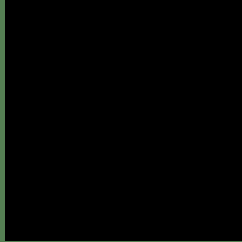
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7346, 0.3103, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 17.7346, 0.3103, 0.4267.



This preview shows how white text looks on a background with the Yxy color 17.7346, 0.3103, 0.4267.

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

17.7346, 0.3103, 0.4267

Protanopia

17.4909, 0.3724, 0.4005

Deuteranopia

17.5786, 0.3815, 0.3770



Tritanopia

17.6931, 0.2713, 0.3087

Trichromacy



Original Color

17.7346, 0.3103, 0.4267

Protanomaly

17.3916, 0.3481, 0.4113

Deuteranomaly

17.2300, 0.3532, 0.3933

Tritanomaly

17.6050, 0.2853, 0.3479

Monochromacy



Original Color

17.7346, 0.3103, 0.4267

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.1202, 0.3111, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7346, 0.3103, 0.4267 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(85, 127, 83)` looks like.

```
.text, #text, p{  
    color:rgb(85, 127, 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(85, 127, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 127, 83) }
```

Border

The CSS property to change the border of an element to Yxy 17.7346, 0.3103, 0.4267 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(85, 127, 83) }
```

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

```
.border{ border-color:rgb(85, 127, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 127, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 127, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 127, 83);  
box-shadow:4px 4px 4px 4px rgb(85, 127,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7346, 0.3103, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 127, 83) }
```

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

```
.background{ background-color: rgb(85, 127,  
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