

Converting Colors

$Y_{xy}(17.8124, 0.3045, 0.3485)$

Have a look what the booklet for
Yxy(17.8124, 0.3045, 0.3485)
contains.

Yxy(17.8257, 0.3044, 0.3494)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8257, 0.3044, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	69796F
RGB	105, 121, 111
RGB Percent	41%, 47%, 44%
CMY	0.5884, 0.5255, 0.5647
CMYK	0.13, 0.00, 0.08, 0.53
HSL	143°, 7%, 44%
HSV	143°, 13%, 47%
XYZ	15.5299, 17.8257, 17.6624
YIQ	115.0760, -6.3260, -6.5020

Conversions

Conversions Part 2

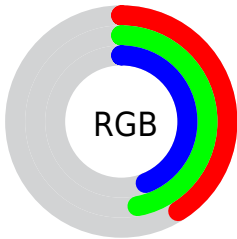
Format	Color
R_{YB}	105, 117, 121
Decimal	6912367
CIE _{Lab}	49.28, -8.05, 3.48
CIE _{LCh}	49, 8.772, 156.603
Yxy	17.8257, 0.3044, 0.3494
Android (android.graphics.Color)	4285102447 (0xFF69796F)
YUV	115.0760, -2.0095, -8.8367
Hunter-Lab	42.2205, -8.2285, 4.7511

Details

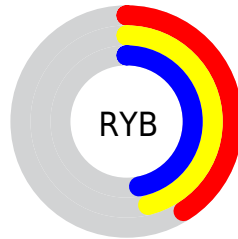
The Yxy color **17.8257, 0.3044, 0.3494** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4001, 0.3221, 0.3094**, and the grayscale version is **17.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5994, 0.3059, 0.3434**, and **5.8932, 0.3018, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **16.9860, 0.2983, 0.3669**, and if you desaturate by 10%, it is **18.7852, 0.3107, 0.3337**.

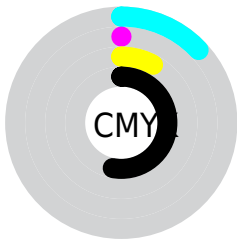
Distribution



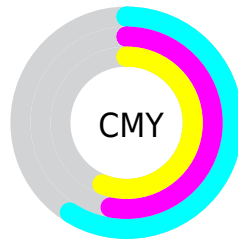
- Red (41%)
- Green (47%)
- Blue (44%)



- Red (41%)
- Yellow (46%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)



- Cyan (59%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8257, 0.3044, 0.3494 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 17.8257, 0.3044, 0.3494 by changing the saturation by 10% instead.

■ 17.8257, 0.3044,
0.3494

■ 17.8257, 0.3044,
0.3494

■ 239.8868, 0.3093,
0.3374

■ 10.8249, 0.3028,
0.3532

■ 39.7401, 0.3064,
0.3445

■ 5.9492, 0.3005,
0.3588

■ 55.4225, 0.3071,
0.3429

■ 2.8142, 0.2969,
0.3677

■ 74.7676, 0.3076,
0.3415

■ 1.0355, 0.2899,
0.3847

■ 98.1597, 0.3081,
0.3404

■ 0.0000, 0.0000,
0.0000

■ 125.9833, 0.3085,
0.3395

■ 158.6228, 0.3088,

0.3387

196.4624, 0.3091,
0.3380

■ 17.8257, 0.3044,
0.3494

■ 17.8257, 0.3044,
0.3494

■ 16.9860, 0.2983,
0.3669

■ 18.7852, 0.3107,
0.3337

■ 16.2591, 0.2925,
0.3861

■ 19.8668, 0.3169,
0.3198

■ 15.6408, 0.2874,
0.4069

■ 21.0754, 0.3231,
0.3074

■ 15.1256, 0.2831,
0.4291

■ 22.4149, 0.3291,
0.2966

■ 14.7076, 0.2801,
0.4522

■ 23.8894, 0.3348,
0.2871

■ 14.3801, 0.2784,
0.4755

■ 25.5024, 0.3402,
0.2787

■ 14.1359, 0.2784,
0.4982

■ 27.2574, 0.3454,
0.2714

■ 13.9655, 0.2801,
0.5195

■ 29.1580, 0.3502,
0.2651

■ 13.8707, 0.2814,
0.5331

■ 31.2073, 0.3548,
0.2595

Harmonies

Analogous

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



17.8257, 0.3214, 0.3577



17.8257, 0.3044, 0.3494



17.8257, 0.2899, 0.3352

Triad

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



17.8257, 0.3044, 0.3494



17.8257, 0.2892, 0.3010



17.8257, 0.3449, 0.3370

Complementary

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



17.8257, 0.3044, 0.3494



15.4001, 0.3221, 0.3094

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.



17.8257, 0.3358, 0.3224



17.8257, 0.3044, 0.3494



17.8257, 0.3034, 0.3021

Square

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



17.8257, 0.3044, 0.3494



17.8257, 0.2813, 0.3072



17.8257, 0.3205, 0.3098



17.8257, 0.3451, 0.3499

Rectangle

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



17.8257, 0.3044, 0.3494



17.8257, 0.2835, 0.3247



17.8257, 0.3205, 0.3098



17.8257, 0.3428, 0.3321

Sweetspot

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



17.8265, 0.3044, 0.3494



33.4799, 0.3101, 0.3350



18.3500, 0.3239, 0.3608



7.6289, 0.3097, 0.3359



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.



17.8265, 0.3044, 0.3494



31.4211, 0.3025, 0.3547



18.0075, 0.2958, 0.3332



4.4726, 0.3070, 0.3426



14.8599, 0.2816, 0.5336



70.7297, 0.2842, 0.5429

Inverse Universe

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



15.4001, 0.3221, 0.3094



26.1573, 0.3246, 0.3046



15.2267, 0.3327, 0.3248



4.0531, 0.3189, 0.3157



4.9054, 0.4394, 0.2194



23.2298, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 17.8257, 0.3044, 0.3494 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 17.8257, 0.3044, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

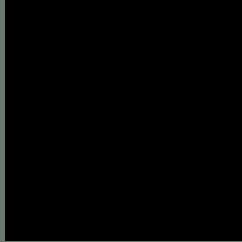
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8257, 0.3044, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 17.8257, 0.3044, 0.3494.



This preview shows how white text looks on a background with the Yxy color 17.8257, 0.3044, 0.3494.

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

17.8257, 0.3044, 0.3494

Protanopia

17.6599, 0.3277, 0.3427

Deuteranopia

17.7483, 0.3354, 0.3291



Tritanopia

17.9403, 0.2894, 0.3113

Trichromacy



Original Color

17.8257, 0.3044, 0.3494

Protanomaly

17.7275, 0.3183, 0.3449

Deuteranomaly

17.7256, 0.3240, 0.3368

Tritanomaly

17.9639, 0.2947, 0.3250

Monochromacy



Original Color

17.8257, 0.3044, 0.3494

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.3170, 0.3086, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8257, 0.3044, 0.3494 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(105, 121, 111)` looks like.

```
.text, #text, p{  
    color:rgb(105, 121, 111)  
}
```

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(105, 121, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 121, 111) }
```

Border

The CSS property to change the border of an element to Yxy 17.8257, 0.3044, 0.3494 is called "border". The border property can be set on classes, ids or directly on the HTML element.

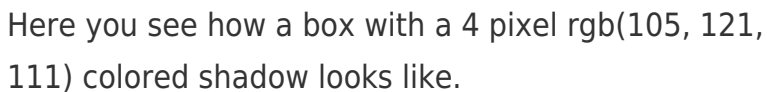
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 121, 111) }
```

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

```
.border{ border-color:rgb(105, 121, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 121, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 121, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 121, 111); box-shadow:4px 4px 4px 4px rgb(105, 121, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8257, 0.3044, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 121, 111) }
```

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

```
.background{ background-color: rgb(105,  
121, 111) }
```

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