

Converting Colors

$Y_{xy}(13.7888, 0.2985, 0.3658)$

Have a look what the booklet for
Yxy(13.7888, 0.2985, 0.3658)
contains.

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Color

Yxy(13.8448, 0.2980, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	546E5E
RGB	84, 110, 94
RGB Percent	33%, 43%, 37%
CMY	0.6705, 0.5686, 0.6314
CMYK	0.24, 0.00, 0.15, 0.57
HSL	143°, 13%, 38%
HSV	143°, 24%, 43%
XYZ	11.2541, 13.8448, 12.6665
YIQ	100.4020, -10.3600, -10.4880

Conversions

Conversions Part 2

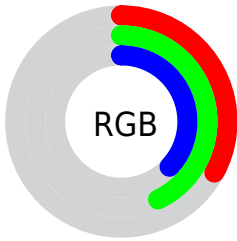
Format	Color
R_{YB}	84, 103, 110
Decimal	5533278
CIE _{Lab}	44.01, -13.14, 5.83
CIE _{LCh}	44, 14.374, 156.063
Yxy	13.8448, 0.2980, 0.3666
Android (android.graphics.Color)	4283723358 (0xFF546E5E)
YUV	100.4020, -3.1562, -14.3846
Hunter-Lab	37.2086, -11.1260, 5.8626

Details

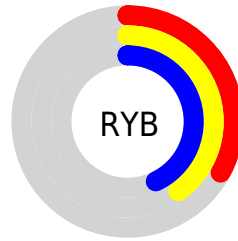
The Yxy color **13.8448, 0.2980, 0.3666** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5810, 0.3310, 0.2942**, and the grayscale version is **12.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9226, 0.3021, 0.3579**, and **4.0707, 0.2897, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **13.2604, 0.2922, 0.3854**, and if you desaturate by 10%, it is **14.5208, 0.3041, 0.3495**.

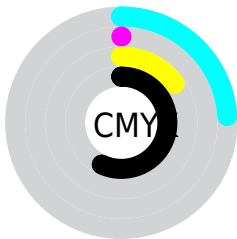
Distribution



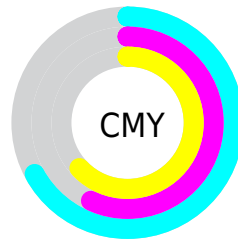
- Red (33%)
- Green (43%)
- Blue (37%)



- Red (33%)
- Yellow (40%)
- Blue (43%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (57%)





- Cyan (67%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8448, 0.2980, 0.3666 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 13.8448, 0.2980, 0.3666 by changing the saturation by 10% instead.


 13.8448, 0.2980,
0.3666


 13.8448, 0.2980,
0.3666


216.2632, 0.3071,
0.3436


 8.0128, 0.2948,
0.3746


 32.8134, 0.3019,
0.3568


 4.1031, 0.2899,
0.3869

 46.7188, 0.3031,
0.3536


 1.7314, 0.2814,
0.4082

 64.0841, 0.3041,
0.3511

 0.4439, 0.1630,
0.7152

 85.2937, 0.3049,
0.3490

 0.0000, 0.0000,
0.0000

 110.7320, 0.3056,
0.3473

140.7834, 0.3062,

0.3459

175.8324, 0.3066,
0.3446

■ 13.8448, 0.2980,
0.3666

■ 13.8448, 0.2980,
0.3666

■ 13.2604, 0.2922,
0.3854

■ 14.5208, 0.3041,
0.3495

■ 12.7619, 0.2871,
0.4058

■ 15.2904, 0.3104,
0.3341

■ 12.3455, 0.2828,
0.4275

■ 16.1576, 0.3167,
0.3204

■ 12.0066, 0.2796,
0.4500

■ 17.1259, 0.3229,
0.3083

■ 11.7400, 0.2779,
0.4728

■ 18.1983, 0.3290,
0.2976

■ 11.5400, 0.2778,
0.4951

■ 19.3780, 0.3347,
0.2882

■ 11.3980, 0.2793,
0.5162

■ 20.6678, 0.3403,
0.2799

■ 11.3197, 0.2803,
0.5291

■ 22.0705, 0.3455,
0.2727

■ 23.5889, 0.3504,
0.2664

Harmonies

Analogous

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



13.8448, 0.3281, 0.3814



13.8448, 0.2980, 0.3666



13.8448, 0.2727, 0.3403

Triad

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



13.8448, 0.2980, 0.3666



13.8448, 0.2708, 0.2799



13.8448, 0.3704, 0.3416

Complementary

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



13.8448, 0.2980, 0.3666



10.5810, 0.3310, 0.2942

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.



13.8448, 0.3536, 0.3166



13.8448, 0.2980, 0.3666



13.8448, 0.2953, 0.2821

Square

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



13.8448, 0.2980, 0.3666



13.8448, 0.2576, 0.2902



13.8448, 0.3257, 0.2953



13.8448, 0.3708, 0.3649

Rectangle

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



13.8448, 0.2980, 0.3666



13.8448, 0.2616, 0.3210



13.8448, 0.3257, 0.2953



13.8448, 0.3665, 0.3332

Sweetspot

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



13.8454, 0.2980, 0.3666



26.3513, 0.3082, 0.3394



14.5035, 0.3319, 0.3870



6.1208, 0.3079, 0.3400



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.8454, 0.2980, 0.3666



23.7693, 0.2950, 0.3761



14.0982, 0.2831, 0.3358



3.7824, 0.3070, 0.3422



13.5939, 0.2808, 0.5308



67.5599, 0.2835, 0.5407

Inverse Universe

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



10.5810, 0.3310, 0.2942



17.0301, 0.3360, 0.2863



10.3493, 0.3528, 0.3224



3.4328, 0.3189, 0.3161



4.4751, 0.4416, 0.2207



22.1203, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 13.8448, 0.2980, 0.3666 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 13.8448, 0.2980, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

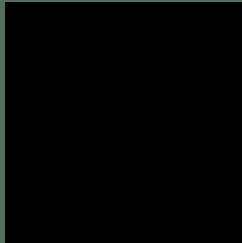
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

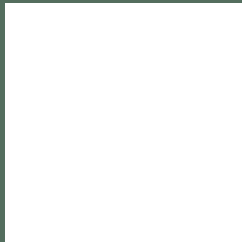
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8448, 0.2980, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 13.8448, 0.2980, 0.3666.



This preview shows how white text looks on a background with the Yxy color 13.8448, 0.2980, 0.3666.

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

13.8448, 0.2980, 0.3666

Protanopia

13.7070, 0.3379, 0.3550

Deuteranopia

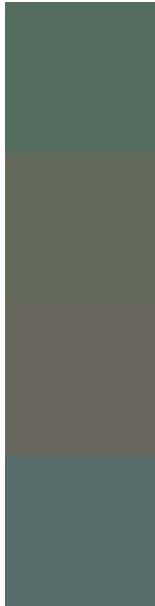
13.7408, 0.3439, 0.3374



Tritanopia

13.8279, 0.2785, 0.3112

Trichromacy



Original Color

13.8448, 0.2980, 0.3666

Protanomaly

13.7901, 0.3225, 0.3604

Deuteranomaly

13.7301, 0.3262, 0.3487

Tritanomaly

13.8129, 0.2865, 0.3312

Monochromacy



Original Color

13.8448, 0.2980, 0.3666

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1622, 0.3065, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8448, 0.2980, 0.3666 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(84, 110, 94) looks like.

```
.text, #text, p{  
    color:rgb(84, 110, 94)  
}
```

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(84, 110, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 110, 94) }
```

Border

The CSS property to change the border of an element to Yxy 13.8448, 0.2980, 0.3666 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(84, 110, 94) }
```

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

```
.border{ border-color:rgb(84, 110, 94) }
```

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

Here you see how a box with a 4 pixel rgb(84, 110, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 110, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 110, 94);  
box-shadow:4px 4px 4px 4px rgb(84, 110,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8448, 0.2980, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 110, 94) }
```

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

```
.background{ background-color: rgb(84, 110,  
94) }
```

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](#).

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