

Converting Colors

$Y_{xy}(13.8057, 0.3275, 0.4062)$

Have a look what the booklet for
Yxy(13.8057, 0.3275, 0.4062)
contains.

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Color

Yxy(13.8613, 0.3264, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	5A6E4D
RGB	90, 110, 77
RGB Percent	35%, 43%, 30%
CMY	0.6471, 0.5686, 0.6981
CMYK	0.18, 0.00, 0.30, 0.57
HSL	96°, 18%, 37%
HSV	96°, 30%, 43%
XYZ	11.1300, 13.8613, 9.1079
YIQ	100.2580, -1.3270, -14.5030

Conversions

Conversions Part 2

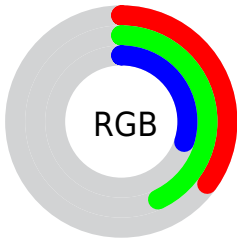
Format	Color
RYB	77, 110, 97
Decimal	5926477
CIELab	44.03, -14.15, 16.04
CIElCh	44, 21.385, 131.415
Yxy	13.8613, 0.3264, 0.4065
Android (android.graphics.Color)	4284116557 (0xFF5A6E4D)
YUV	100.2580, -11.4662, -8.9963
Hunter-Lab	37.2308, -11.7921, 11.5572

Details

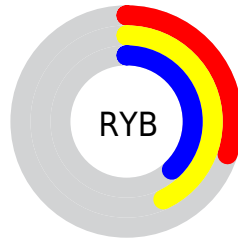
The Yxy color **13.8613, 0.3264, 0.4065** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.9747, 0.2945, 0.2541**, and the grayscale version is **12.8425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0097, 0.3243, 0.3868**, and **4.0850, 0.3320, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **13.3998, 0.3301, 0.4357**, and if you desaturate by 10%, it is **14.3804, 0.3221, 0.3787**.

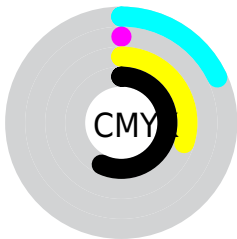
Distribution



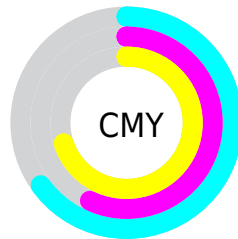
- Red (35%)
- Green (43%)
- Blue (30%)



- Red (30%)
- Yellow (43%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (30%)
- Black (57%)




- Cyan (65%)
- Magenta (57%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8613, 0.3264, 0.4065 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 13.8613, 0.3264, 0.4065 by changing the saturation by 10% instead.


 13.8613, 0.3264,
0.4065


 13.8613, 0.3264,
0.4065


216.3663, 0.3190,
0.3587


 8.0243, 0.3282,
0.4232


 32.8427, 0.3237,
0.3861

 4.1105, 0.3301,
0.4489

 46.7559, 0.3226,
0.3795


 1.7356, 0.3358,
0.4999

 64.1299, 0.3218,
0.3742

 0.4465, 0.1504,
0.8496

 85.3491, 0.3211,
0.3699

 0.0000, 0.0000,
0.0000

 110.7980, 0.3204,
0.3664

140.8609, 0.3199,

0.3634

175.9222, 0.3194,
0.3609

■ 13.8613, 0.3264,
0.4065

■ 13.8613, 0.3264,
0.4065

■ 13.3998, 0.3301,
0.4357

■ 14.3804, 0.3221,
0.3787

■ 12.9919, 0.3330,
0.4653

■ 14.9572, 0.3175,
0.3528

■ 12.6359, 0.3347,
0.4944

■ 15.5942, 0.3127,
0.3290

■ 12.3295, 0.3349,
0.5214

■ 16.2932, 0.3080,
0.3075

■ 12.0700, 0.3334,
0.5448

■ 17.0559, 0.3034,
0.2882

■ 11.8543, 0.3303,
0.5634

■ 17.8840, 0.2990,
0.2709

■ 11.6732, 0.3266,
0.5789

■ 18.7790, 0.2949,
0.2555

■ 19.7425, 0.2910,
0.2418

■ 20.7759, 0.2873,
0.2296

Harmonies

Analogous

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



13.8613, 0.3682, 0.4070



13.8613, 0.3264, 0.4065



13.8613, 0.2828, 0.3800

Triad

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



13.8613, 0.3264, 0.4065



13.8613, 0.2346, 0.2674



13.8613, 0.3798, 0.3163

Complementary

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



13.8613, 0.3264, 0.4065



8.9747, 0.2945, 0.2541

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.



13.8613, 0.3395, 0.2849



13.8613, 0.3264, 0.4065



13.8613, 0.2564, 0.2570

Square

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



13.8613, 0.3264, 0.4065



13.8613, 0.2318, 0.2955



13.8613, 0.2940, 0.2637



13.8613, 0.4010, 0.3522

Rectangle

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



13.8613, 0.3264, 0.4065



13.8613, 0.2584, 0.3522



13.8613, 0.2940, 0.2637



13.8613, 0.3679, 0.3050

Sweetspot

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



13.8619, 0.3264, 0.4065



26.3464, 0.3171, 0.3509



12.3638, 0.3627, 0.3728



6.1030, 0.3176, 0.3537



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.



13.8619, 0.3264, 0.4065



23.7665, 0.3291, 0.4266



13.3145, 0.3051, 0.4023



3.8213, 0.3170, 0.3503



14.0047, 0.3259, 0.5794



69.2937, 0.3222, 0.5824

Inverse Universe

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



8.9747, 0.2945, 0.2541



13.7064, 0.2891, 0.2355



9.6772, 0.3214, 0.2653



3.3912, 0.3081, 0.3079



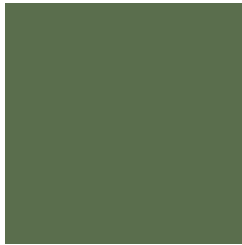
2.7574, 0.2279, 0.1029



13.2259, 0.2231, 0.1002

Previews

White Background



This preview shows how the Yxy color 13.8613, 0.3264, 0.4065 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 13.8613, 0.3264, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

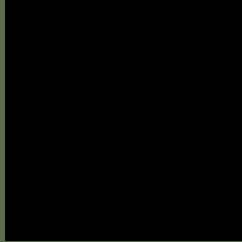
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8613, 0.3264, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 13.8613, 0.3264, 0.4065.



This preview shows how white text looks on a background with the Yxy color 13.8613, 0.3264, 0.4065.

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

13.8613, 0.3264, 0.4065

Protanopia

13.8398, 0.3658, 0.3934

Deuteranopia

13.8164, 0.3768, 0.3720



Tritanopia

13.8049, 0.2894, 0.3094

Trichromacy



Original Color

13.8613, 0.3264, 0.4065

Protanomaly

13.7591, 0.3510, 0.3981

Deuteranomaly

13.7657, 0.3572, 0.3854

Tritanomaly

13.8347, 0.3026, 0.3425

Monochromacy



Original Color

13.8613, 0.3264, 0.4065

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1601, 0.3171, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8613, 0.3264, 0.4065 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(90, 110, 77) looks like.

```
.text, #text, p{  
    color:rgb(90, 110, 77)  
}
```

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(90, 110, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 110, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.8613, 0.3264, 0.4065 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(90, 110, 77) }
```

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

```
.border{ border-color:rgb(90, 110, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 110, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 110, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 110, 77);  
box-shadow:4px 4px 4px 4px rgb(90, 110,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8613, 0.3264, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 110, 77) }
```

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

```
.background{ background-color: rgb(90, 110,  
77) }
```

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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