

Converting Colors

$Y_{xy}(13.1862, 0.3081, 0.4089)$

Have a look what the booklet for
Yxy(13.1862, 0.3081, 0.4089)
contains.

Yxy(13.2655, 0.3089, 0.4107)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2655, 0.3089, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	4D6E4D
RGB	77, 110, 77
RGB Percent	30%, 43%, 30%
CMY	0.6980, 0.5686, 0.6980
CMYK	0.30, 0.00, 0.30, 0.57
HSL	120°, 18%, 37%
HSV	120°, 30%, 43%
XYZ	9.9774, 13.2655, 9.0568
YIQ	96.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

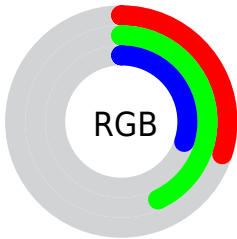
Format	Color
RYB	77, 110, 110
Decimal	5074509
CIELab	43.16, -19.14, 14.70
CIELCh	43, 24.130, 142.478
Yxy	13.2655, 0.3089, 0.4107
Android (android.graphics.Color)	4283264589 (0xFF4D6E4D)
YUV	96.3710, -9.5499, -16.9884
Hunter-Lab	36.4218, -14.8400, 10.7519

Details

The Yxy color **13.2655, 0.3089, 0.4107** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.7485, 0.3160, 0.2589**, and the grayscale version is **11.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8590, 0.3108, 0.3893**, and **3.8408, 0.3047, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **12.7041, 0.3074, 0.4433**, and if you desaturate by 10%, it is **13.9317, 0.3103, 0.3804**.

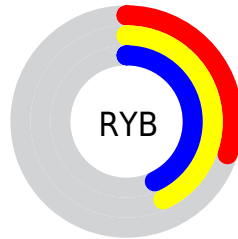
Distribution



Red (30%)

Green (43%)

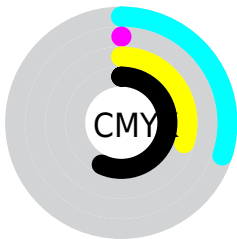
Blue (30%)



Red (30%)

Yellow (43%)

Blue (43%)

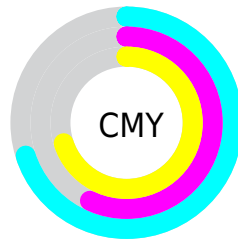


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (57%)



Cyan (70%)


Magenta (57%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2655, 0.3089, 0.4107 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 13.2655, 0.3089, 0.4107 by changing the saturation by 10% instead.


 13.2655, 0.3089,
0.4107


 13.2655, 0.3089,
0.4107


212.6123, 0.3122,
0.3596


 7.6116, 0.3070,
0.4291


 31.7799, 0.3107,
0.3887


 3.8475, 0.3033,
0.4579

 45.4093, 0.3111,
0.3816


 1.5886, 0.2999,
0.5179

 62.4660, 0.3114,
0.3760

 0.3499, 0.0000,
1.0000

 83.3343, 0.3117,
0.3714

 0.0000, 0.0000,
0.0000

 108.3987, 0.3119,
0.3677

138.0436, 0.3120,

0.3646

172.6533, 0.3121,
0.3619

■ 13.2655, 0.3089,
0.4107

■ 13.2655, 0.3089,
0.4107

■ 12.7041, 0.3074,
0.4433

■ 13.9317, 0.3103,
0.3804

■ 12.2405, 0.3058,
0.4773

■ 14.7058, 0.3116,
0.3532

■ 11.8697, 0.3042,
0.5107

■ 15.5929, 0.3127,
0.3290

■ 11.5853, 0.3028,
0.5414

■ 16.5972, 0.3137,
0.3079

■ 11.3806, 0.3016,
0.5670

■ 17.7229, 0.3146,
0.2895

■ 11.2472, 0.3007,
0.5856

■ 18.9739, 0.3153,
0.2737

■ 11.1519, 0.3000,
0.6000

■ 20.3537, 0.3159,
0.2600

■ 11.1518, 0.3000,
0.6000

■ 21.8659, 0.3165,
0.2482

■ 23.5140, 0.3170,
0.2380

Harmonies

Analogous

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



13.2655, 0.3590, 0.4219



13.2655, 0.3089, 0.4107



13.2655, 0.2621, 0.3706

Triad

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



13.2655, 0.3089, 0.4107



13.2655, 0.2310, 0.2523



13.2655, 0.4018, 0.3288

Complementary

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



13.2655, 0.3089, 0.4107



9.7485, 0.3160, 0.2589

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.



13.2655, 0.3619, 0.2910



13.2655, 0.3089, 0.4107



13.2655, 0.2625, 0.2483

Square

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



13.2655, 0.3089, 0.4107



13.2655, 0.2198, 0.2763



13.2655, 0.3098, 0.2624



13.2655, 0.4152, 0.3692

Rectangle

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



13.2655, 0.3089, 0.4107



13.2655, 0.2389, 0.3361



13.2655, 0.3098, 0.2624



13.2655, 0.3909, 0.3155

Sweetspot

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



13.2661, 0.3089, 0.4107



25.9374, 0.3117, 0.3512



14.8841, 0.3556, 0.3983



5.9975, 0.3115, 0.3541



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.



13.2661, 0.3089, 0.4107



22.5922, 0.3078, 0.4332



13.5191, 0.2905, 0.3701



3.7633, 0.3117, 0.3507



13.3972, 0.3000, 0.6000



66.7364, 0.3000, 0.6000

Inverse Universe

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



9.7485, 0.3160, 0.2589



15.3465, 0.3167, 0.2429



9.4327, 0.3431, 0.2913



3.4534, 0.3137, 0.3083



5.3313, 0.3208, 0.1541



26.5568, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 13.2655, 0.3089, 0.4107 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 13.2655, 0.3089, 0.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

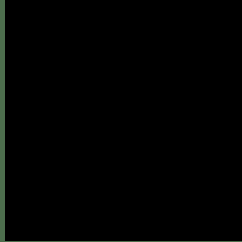
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.2655, 0.3089, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 13.2655, 0.3089, 0.4107.



This preview shows how white text looks on a background with the Yxy color 13.2655, 0.3089, 0.4107.

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

13.2655, 0.3089, 0.4107

Protanopia

13.2350, 0.3637, 0.3926

Deuteranopia

13.2365, 0.3719, 0.3667



Tritanopia

13.2029, 0.2744, 0.3085

Trichromacy



Original Color

13.2655, 0.3089, 0.4107

Protanomaly

13.1389, 0.3422, 0.4008

Deuteranomaly

13.0103, 0.3475, 0.3808

Tritanomaly

13.2043, 0.2858, 0.3431

Monochromacy



Original Color

13.2655, 0.3089, 0.4107

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1525, 0.3114, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2655, 0.3089, 0.4107 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(77, 110, 77)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 110, 77) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 13.2655, 0.3089, 0.4107 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(77, 110, 77) }
```

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

```
.border{ border-color:rgb(77, 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(77, 110, 77)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 13.2655, 0.3089, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(77, 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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