

Converting Colors

$Y_{xy}(25.8240, 0.3210, 0.4016)$

Have a look what the booklet for
Yxy(25.8240, 0.3210, 0.4016)
contains.

Yxy(25.8509, 0.3216, 0.4017)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.8509, 0.3216, 0.4017)$

Conversions

Conversions Part 1

Format	Color
Hex	77936B
RGB	119, 147, 107
RGB Percent	47%, 58%, 42%
CMY	0.5333, 0.4235, 0.5804
CMYK	0.19, 0.00, 0.27, 0.42
HSL	102°, 16%, 50%
HSV	102°, 27%, 58%
XYZ	20.6962, 25.8509, 17.8067
YIQ	134.0680, -3.8480, -18.3760

Conversions

Conversions Part 2

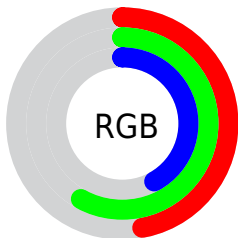
Format	Color
R_{YB}	107, 147, 135
Decimal	7836523
CIE _{Lab}	57.90, -17.71, 18.03
CIE _{LCh}	58, 25.274, 134.477
Yxy	25.8509, 0.3216, 0.4017
Android (android.graphics.Color)	4286026603 (0xFF77936B)
YUV	134.0680, -13.3445, -13.2146
Hunter-Lab	50.8438, -16.3175, 14.8259

Details

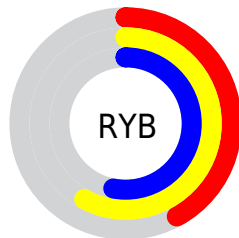
The Yxy color **25.8509, 0.3216, 0.4017** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.7701, 0.3006, 0.2604**, and the grayscale version is **23.9186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0471, 0.3202, 0.3846**, and **9.9836, 0.3239, 0.4312** is the 20% darker color. If you saturate the color by 10%, you get **24.8797, 0.3241, 0.4324**, and if you desaturate by 10%, it is **26.9557, 0.3185, 0.3729**.

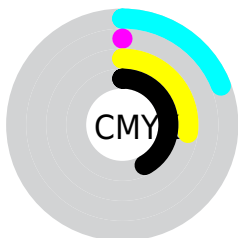
Distribution



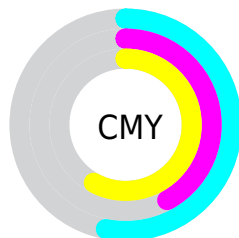
- Red (47%)
- Green (58%)
- Blue (42%)



- Red (42%)
- Yellow (58%)
- Blue (53%)



- Cyan (19%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)





- Cyan (53%)
- Magenta (42%)
- Yellow (58%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8509, 0.3216, 0.4017 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 25.8509, 0.3216, 0.4017 by changing the saturation by 10% instead.


 25.8509, 0.3216,
0.4017

 25.8509, 0.3216,
0.4017

282.0494, 0.3175,
0.3605


 16.7121, 0.3224,
0.4140


 53.0343, 0.3203,
0.3853

 10.0295, 0.3231,
0.4312


 71.8477, 0.3197,
0.3796

 5.4185, 0.3233,
0.4568

 94.6549, 0.3192,
0.3750

 2.4948, 0.3218,
0.4989

 121.8400, 0.3188,
0.3711

 0.8741, 0.3131,
0.6869

153.7877, 0.3184,
0.3678

 0.0000, 0.0000,
0.0000

190.8822, 0.3181,

0.3650

233.5080, 0.3178,
0.3626

■ 25.8509, 0.3216,
0.4017

■ 25.8509, 0.3216,
0.4017

■ 24.8797, 0.3241,
0.4324

■ 26.9557, 0.3185,
0.3729

■ 24.0335, 0.3259,
0.4640

■ 28.1957, 0.3152,
0.3465

■ 23.3080, 0.3266,
0.4954

■ 29.5764, 0.3117,
0.3226

■ 22.6973, 0.3260,
0.5247

■ 31.1023, 0.3083,
0.3013

■ 22.1947, 0.3241,
0.5502

■ 32.7776, 0.3049,
0.2824

■ 21.7931, 0.3207,
0.5703

■ 34.6063, 0.3017,
0.2657

■ 21.4817, 0.3163,
0.5843

■ 36.5921, 0.2986,
0.2510

■ 21.4068, 0.3153,
0.5879

■ 38.7390, 0.2957,
0.2380

■ 41.0503, 0.2930,
0.2266

Harmonies

Analogous

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



25.8509, 0.3625, 0.4050



25.8509, 0.3216, 0.4017



25.8509, 0.2801, 0.3741

Triad

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



25.8509, 0.3216, 0.4017



25.8509, 0.2388, 0.2680



25.8509, 0.3802, 0.3204

Complementary

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



25.8509, 0.3216, 0.4017



17.7701, 0.3006, 0.2604

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.



25.8509, 0.3429, 0.2893



25.8509, 0.3216, 0.4017



25.8509, 0.2617, 0.2596

Square

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



25.8509, 0.3216, 0.4017



25.8509, 0.2342, 0.2935



25.8509, 0.2991, 0.2675



25.8509, 0.3981, 0.3551

Rectangle

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



25.8509, 0.3216, 0.4017



25.8509, 0.2575, 0.3469



25.8509, 0.2991, 0.2675



25.8509, 0.3694, 0.3093

Sweetspot

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



25.8520, 0.3216, 0.4017



50.2723, 0.3155, 0.3489



24.4067, 0.3575, 0.3752



11.4022, 0.3160, 0.3525



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.8520, 0.3216, 0.4017



45.1449, 0.3233, 0.4214



25.2156, 0.3026, 0.3902



6.5479, 0.3159, 0.3515



18.5700, 0.3156, 0.5876



0.2412, 0.3475, 0.5623

Inverse Universe

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



17.7701, 0.3006, 0.2604



28.0504, 0.2969, 0.2432



18.6008, 0.3249, 0.2747



5.8226, 0.3092, 0.3069



4.3312, 0.2478, 0.1139



0.0684, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 25.8509, 0.3216, 0.4017 looks on a white 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

Black Background



This preview shows how the Yxy color 25.8509, 0.3216, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

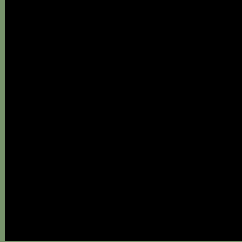
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8509, 0.3216, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 25.8509, 0.3216, 0.4017.



This preview shows how white text looks on a background with the Yxy color 25.8509, 0.3216, 0.4017.

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

25.8509, 0.3216, 0.4017

Protanopia

25.8341, 0.3623, 0.3887

Deuteranopia

25.5822, 0.3729, 0.3655



Tritanopia

25.7524, 0.2868, 0.3104

Trichromacy



Original Color

25.8509, 0.3216, 0.4017

Protanomaly

25.7488, 0.3470, 0.3945

Deuteranomaly

25.3921, 0.3526, 0.3778

Tritanomaly

25.6334, 0.2986, 0.3412

Monochromacy



Original Color

25.8509, 0.3216, 0.4017

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.5876, 0.3170, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8509, 0.3216, 0.4017 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(119, 147, 107)` looks like.

```
.text, #text, p{  
    color:rgb(119, 147, 107)  
}
```

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(119, 147, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 147, 107) }
```

Border

The CSS property to change the border of an element to Yxy 25.8509, 0.3216, 0.4017 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(119, 147, 107) }
```

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

```
.border{ border-color:rgb(119, 147, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 147, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 147, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 147, 107);  
box-shadow:4px 4px 4px 4px rgb(119, 147,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8509, 0.3216, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 147, 107) }
```

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

```
.background{ background-color: rgb(119,  
147, 107) }
```

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