

Converting Colors

$Y_{xy}(27.8702, 0.3218, 0.4105)$

Have a look what the booklet for
Yxy(27.8702, 0.3218, 0.4105)
contains.

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Color

Yxy(27.8371, 0.3216, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	78996B
RGB	120, 153, 107
RGB Percent	47%, 60%, 42%
CMY	0.5293, 0.4000, 0.5804
CMYK	0.22, 0.00, 0.30, 0.40
HSL	103°, 18%, 51%
HSV	103°, 30%, 60%
XYZ	21.7926, 27.8371, 18.1334
YIQ	137.8890, -4.9020, -21.3020

Conversions

Conversions Part 2

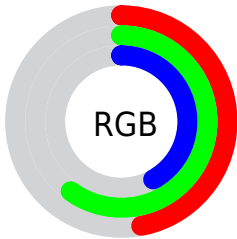
Format	Color
R_{YB}	107, 153, 140
Decimal	7903595
CIE _{Lab}	59.74, -20.44, 20.55
CIE _{LCh}	60, 28.988, 134.849
Yxy	27.8371, 0.3216, 0.4108
Android (android.graphics.Color)	4286093675 (0xFF78996B)
YUV	137.8890, -15.2283, -15.6887
Hunter-Lab	52.7609, -18.6030, 16.5552

Details

The Yxy color **27.8371, 0.3216, 0.4108** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3884, 0.2999, 0.2528**, and the grayscale version is **25.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0131, 0.3203, 0.3917**, and **11.1206, 0.3221, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **26.8042, 0.3237, 0.4421**, and if you desaturate by 10%, it is **29.0193, 0.3189, 0.3812**.

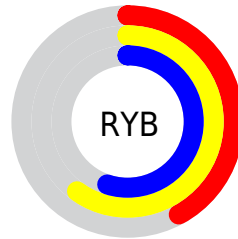
Distribution



Red (47%)

Green (60%)

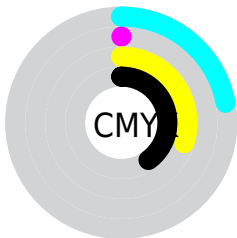
Blue (42%)



Red (42%)

Yellow (60%)

Blue (55%)

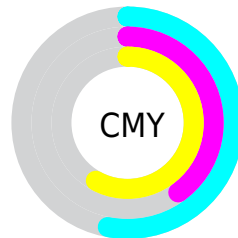


Cyan (22%)

Magenta (0%)

Yellow (30%)

Black (40%)



Cyan (53%)


Magenta (40%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8371, 0.3216, 0.4108 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 27.8371, 0.3216, 0.4108 by changing the saturation by 10% instead.

 27.8371, 0.3216,
0.4108


 27.8371, 0.3216,
0.4108


291.6877, 0.3178,
0.3648

 18.2029, 0.3222,
0.4243


 56.2243, 0.3204,
0.3927

 11.0958, 0.3225,
0.4431


 75.7460, 0.3199,
0.3863

 6.1313, 0.3221,
0.4707

 99.3324, 0.3195,
0.3811

 2.9251, 0.3192,
0.5148

 127.3678, 0.3190,
0.3767

 1.0927, 0.3249,
0.6751

160.2367, 0.3187,
0.3730

 0.0000, 0.0000,
0.0000

198.3233, 0.3183,

0.3699

242.0122, 0.3180,
0.3671

■ 27.8371, 0.3216,
0.4108

■ 27.8371, 0.3216,
0.4108

■ 26.8042, 0.3237,
0.4421

■ 29.0193, 0.3189,
0.3812

■ 25.9109, 0.3249,
0.4742

■ 30.3527, 0.3159,
0.3539

■ 25.1520, 0.3251,
0.5055

■ 31.8440, 0.3127,
0.3292


■ 24.5204, 0.3240,
0.5341


■ 33.4983, 0.3095,
0.3071


■ 24.0084, 0.3215,
0.5583


■ 35.3203, 0.3063,
0.2875

 23.6074, 0.3177,
0.5765

 37.3147, 0.3033,
0.2702

 23.3026, 0.3136,
0.5892

 39.4860, 0.3004,
0.2550

 41.8385, 0.2976,
0.2416

 44.3763, 0.2951,
0.2299

Harmonies

Analogous

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



27.8371, 0.3674, 0.4141



27.8371, 0.3216, 0.4108



27.8371, 0.2755, 0.3793

Triad

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



27.8371, 0.3216, 0.4108



27.8371, 0.2310, 0.2607



27.8371, 0.3887, 0.3195

Complementary

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



27.8371, 0.3216, 0.4108



18.3884, 0.2999, 0.2528

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.



27.8371, 0.3470, 0.2852



27.8371, 0.3216, 0.4108



27.8371, 0.2563, 0.2520

Square

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



27.8371, 0.3216, 0.4108



27.8371, 0.2256, 0.2885



27.8371, 0.2979, 0.2612



27.8371, 0.4084, 0.3578

Rectangle

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



27.8371, 0.3216, 0.4108



27.8371, 0.2507, 0.3483



27.8371, 0.2979, 0.2612



27.8371, 0.3766, 0.3073

Sweetspot

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



27.8383, 0.3216, 0.4108



54.5844, 0.3156, 0.3516



26.5799, 0.3623, 0.3827



11.9774, 0.3161, 0.3551



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.8383, 0.3216, 0.4108



48.5963, 0.3231, 0.4315



27.1915, 0.3002, 0.3950



7.0060, 0.3157, 0.3517



19.2745, 0.3140, 0.5889



0.3048, 0.3445, 0.5647

Inverse Universe

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



18.3884, 0.2999, 0.2528



28.9140, 0.2962, 0.2351



19.2714, 0.3284, 0.2710



6.2358, 0.3095, 0.3068



4.6416, 0.2518, 0.1161



0.0874, 0.2843, 0.1340

Previews

White Background



This preview shows how the Yxy color 27.8371, 0.3216, 0.4108 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 27.8371, 0.3216, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

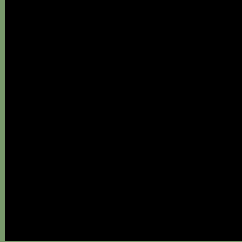
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

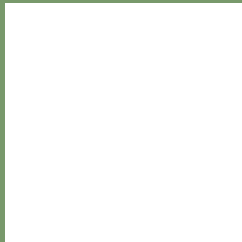
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8371, 0.3216, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 27.8371, 0.3216, 0.4108.



This preview shows how white text looks on a background with the Yxy color 27.8371, 0.3216, 0.4108.

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

27.8371, 0.3216, 0.4108

Protanopia

27.5928, 0.3675, 0.3932

Deuteranopia

27.6276, 0.3776, 0.3719



Tritanopia

27.6156, 0.2839, 0.3092

Trichromacy



Original Color

27.8371, 0.3216, 0.4108

Protanomaly

27.6177, 0.3498, 0.4011

Deuteranomaly

27.3284, 0.3566, 0.3845

Tritanomaly

27.7189, 0.2979, 0.3460

Monochromacy



Original Color

27.8371, 0.3216, 0.4108

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0025, 0.3157, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8371, 0.3216, 0.4108 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(120, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 153, 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(120, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 153, 107) }
```

Border

The CSS property to change the border of an element to Yxy 27.8371, 0.3216, 0.4108 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(120, 153, 107) }
```

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

```
.border{ border-color:rgb(120, 153, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 153, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 153,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8371, 0.3216, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 153, 107) }
```

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

```
.background{ background-color: rgb(120,  
153, 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](#).

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