

Converting Colors

$Yxy(30.5139, 0.3084, 0.4415)$

Have a look what the booklet for
Yxy(30.5139, 0.3084, 0.4415)
contains.

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Color

Yxy(30.3938, 0.3083, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	67A466
RGB	103, 164, 102
RGB Percent	40%, 64%, 40%
CMY	0.5961, 0.3568, 0.5999
CMYK	0.37, 0.00, 0.38, 0.36
HSL	119°, 25%, 52%
HSV	119°, 38%, 64%
XYZ	21.2674, 30.3938, 17.3216
YIQ	138.6930, -16.4540, -32.2140

Conversions

Conversions Part 2

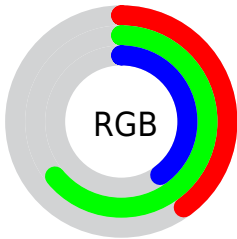
Format	Color
RYB	102, 164, 163
Decimal	6792294
CIELab	61.99, -32.63, 26.10
CIElCh	62, 41.782, 141.340
Yxy	30.3938, 0.3083, 0.4406
Android (android.graphics.Color)	4284982374 (0xFF67A466)
YUV	138.6930, -18.0896, -31.3028
Hunter-Lab	55.1306, -27.6197, 19.9630

Details

The Yxy color **30.3938, 0.3083, 0.4406** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9779, 0.3158, 0.2375**, and the grayscale version is **25.7707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0640, 0.3100, 0.4150**, and **12.5585, 0.3023, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **29.2370, 0.3068, 0.4756**, and if you desaturate by 10%, it is **31.8019, 0.3097, 0.4070**.

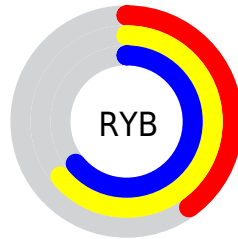
Distribution



Red (40%)

Green (64%)

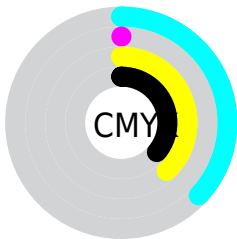
Blue (40%)



Red (40%)

Yellow (64%)

Blue (64%)

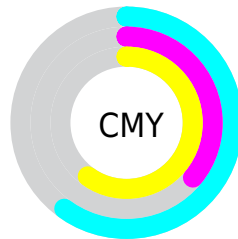


Cyan (37%)

Magenta (0%)

Yellow (38%)

Black (36%)



Cyan (60%)


Magenta (36%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3938, 0.3083, 0.4406 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 30.3938, 0.3083, 0.4406 by changing the saturation by 10% instead.


 30.3938, 0.3083,
0.4406

 30.3938, 0.3083,
0.4406


303.7358, 0.3126,
0.3777

 20.1377, 0.3062,
0.4590


 60.2844, 0.3105,
0.4158


 12.4952, 0.3027,
0.4845


 80.6877, 0.3111,
0.4071

 7.0819, 0.2962,
0.5216


 105.2421, 0.3116,
0.4000

 3.5133, 0.2832,
0.5803

 134.3321, 0.3119,
0.3940

 1.4052, 0.2488,
0.7512

168.3421, 0.3121,
0.3890

 0.2206, 0.0000,
1.0000

207.6564, 0.3123,

 0.0000, 0.0000,

0.3847

0.0000

252.6595, 0.3125,
0.3809

■ 30.3938, 0.3083,
0.4406

■ 30.3938, 0.3083,
0.4406

■ 29.2370, 0.3068,
0.4756

■ 31.8019, 0.3097,
0.4070

■ 28.3131, 0.3052,
0.5103

■ 33.4707, 0.3109,
0.3761

■ 27.6075, 0.3037,
0.5420


■ 35.4138, 0.3120,
0.3483

■ 27.1022, 0.3023,
0.5683


■ 37.6429, 0.3129,
0.3239


■ 26.7765, 0.3012,
0.5869

■ 40.1687, 0.3137,
0.3027


 26.5997, 0.3005,
0.5977

 43.0017, 0.3143,
0.2843

 26.5688, 0.3004,
0.5997

 46.1517, 0.3148,
0.2686

 49.6281, 0.3153,
0.2551

 53.4399, 0.3156,
0.2434

Harmonies

Analogous

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



30.3938, 0.3730, 0.4509



30.3938, 0.3083, 0.4406



30.3938, 0.2482, 0.3869

Triad

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



30.3938, 0.3083, 0.4406



30.3938, 0.2074, 0.2309



30.3938, 0.4287, 0.3247

Complementary

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



30.3938, 0.3083, 0.4406



19.9779, 0.3158, 0.2375

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.



30.3938, 0.3744, 0.2782



30.3938, 0.3083, 0.4406



30.3938, 0.2456, 0.2263

Square

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



30.3938, 0.3083, 0.4406



30.3938, 0.1945, 0.2608



30.3938, 0.3054, 0.2434



30.3938, 0.4468, 0.3756

Rectangle

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



30.3938, 0.3083, 0.4406



30.3938, 0.2186, 0.3396



30.3938, 0.3054, 0.2434



30.3938, 0.4138, 0.3083

Sweetspot

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



30.3951, 0.3083, 0.4406



63.0173, 0.3117, 0.3574



35.0366, 0.3686, 0.4193



13.6775, 0.3115, 0.3609



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.3951, 0.3083, 0.4406



53.4424, 0.3071, 0.4688



31.0437, 0.2845, 0.3853



7.9001, 0.3119, 0.3522



20.3726, 0.3004, 0.5996



0.4296, 0.3026, 0.5979

Inverse Universe

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



19.9779, 0.3158, 0.2375



31.8776, 0.3163, 0.2193



19.1227, 0.3559, 0.2793



7.1965, 0.3135, 0.3068



7.9017, 0.3171, 0.1521



0.1677, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 30.3938, 0.3083, 0.4406 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3938, 0.3083, 0.4406 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 ✓ Pass

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

Yxy 30.3938, 0.3083, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 30.3938, 0.3083, 0.4406.



This preview shows how white text looks on a background with the Yxy color 30.3938, 0.3083, 0.4406.

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

30.3938, 0.3083, 0.4406

Protanopia

30.0208, 0.3793, 0.4102

Deuteranopia

30.0536, 0.3886, 0.3816



Tritanopia

30.3171, 0.2669, 0.3094

Trichromacy



Original Color

30.3938, 0.3083, 0.4406

Protanomaly

29.6558, 0.3516, 0.4214

Deuteranomaly

29.6372, 0.3562, 0.4030

Tritanomaly

30.1894, 0.2818, 0.3546

Monochromacy



Original Color

30.3938, 0.3083, 0.4406

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1218, 0.3109, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3938, 0.3083, 0.4406 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(103, 164, 102)` looks like.

```
.text, #text, p{  
    color:rgb(103, 164, 102)  
}
```

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(103, 164, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 164, 102) }
```

Border

The CSS property to change the border of an element to Yxy 30.3938, 0.3083, 0.4406 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(103, 164, 102) }
```

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

```
.border{ border-color:rgb(103, 164, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 164, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 164, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 164, 102);  
box-shadow:4px 4px 4px 4px rgb(103, 164,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3938, 0.3083, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 164, 102) }
```

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

```
.background{ background-color: rgb(103,  
164, 102) }
```

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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