

Converting Colors

$Y_{xy}(28.0145, 0.3561, 0.4860)$

Have a look what the booklet for
Yxy(28.0145, 0.3561, 0.4860)
contains.

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Color

Yxy(28.1402, 0.3551, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	789C40
RGB	120, 156, 64
RGB Percent	47%, 61%, 25%
CMY	0.5294, 0.3882, 0.7490
CMYK	0.23, 0.00, 0.59, 0.39
HSL	83°, 42%, 43%
HSV	83°, 59%, 61%
XYZ	20.5609, 28.1402, 9.2006
YIQ	134.7480, 8.0760, -36.2440

Conversions

Conversions Part 2

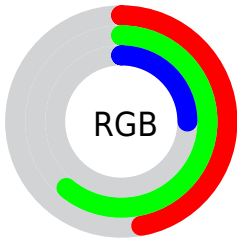
Format	Color
RYB	64, 156, 100
Decimal	7904320
CIELab	60.02, -27.50, 43.30
CIELCh	60, 51.293, 122.424
Yxy	28.1402, 0.3551, 0.4860
Android (android.graphics.Color)	4286094400 (0xFF789C40)
YUV	134.7480, -34.8788, -12.9340
Hunter-Lab	53.0473, -23.6472, 26.8498

Details

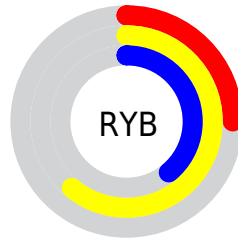
The Yxy color **28.1402, 0.3551, 0.4860** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.7789, 0.2410, 0.1616**, and the grayscale version is **24.2614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8250, 0.3492, 0.4526**, and **11.3540, 0.3579, 0.5425** is the 20% darker color. If you saturate the color by 10%, you get **27.5653, 0.3580, 0.5099**, and if you desaturate by 10%, it is **28.7951, 0.3502, 0.4596**.

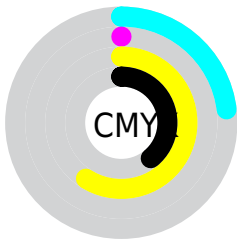
Distribution



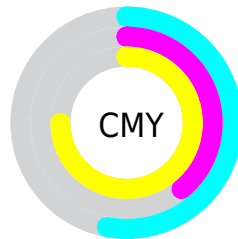
- Red (47%)
- Green (61%)
- Blue (25%)



- Red (25%)
- Yellow (61%)
- Blue (39%)



- Cyan (23%)
- Magenta (0%)
- Yellow (59%)
- Black (39%)





- Cyan (53%)
- Magenta (39%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1402, 0.3551, 0.4860 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 28.1402, 0.3551, 0.4860 by changing the saturation by 10% instead.


 28.1402, 0.3551,
0.4860


 28.1402, 0.3551,
0.4860


293.1362, 0.3366,
0.3983


 18.4314, 0.3575,
0.5103


 56.7082, 0.3496,
0.4521


 11.2601, 0.3586,
0.5423


 76.3362, 0.3471,
0.4400


 6.2421, 0.3569,
0.5875


 100.0393, 0.3449,
0.4299

 2.9928, 0.3462,
0.6538

 128.2020, 0.3428,
0.4215

 1.1280, 0.2532,
0.7468

 161.2086, 0.3410,
0.4144

 0.0017, 0.0000,
1.0000

199.4436, 0.3394,

 0.0000, 0.0000,

0.4083

0.0000

243.2914, 0.3379,
0.4029

■ 28.1402, 0.3551,
0.4860

■ 28.1402, 0.3551,
0.4860

■ 27.5653, 0.3580,
0.5099

■ 28.7951, 0.3502,
0.4596

■ 27.0618, 0.3588,
0.5299

■ 29.5306, 0.3439,
0.4318

■ 26.6256, 0.3571,
0.5454

■ 30.3518, 0.3364,
0.4039

■ 26.2457, 0.3537,
0.5566

■ 31.2622, 0.3284,
0.3767

■ 26.2081, 0.3533,
0.5577

■ 32.2653, 0.3201,
0.3508

■ 33.3642, 0.3119,
0.3266

■ 34.5619, 0.3038,
0.3043

■ 35.8612, 0.2961,
0.2841

■ 37.2649, 0.2889,
0.2658

Harmonies

Analogous

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



28.1402, 0.4279, 0.4592



28.1402, 0.3551, 0.4860



28.1402, 0.2754, 0.4535

Triad

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



28.1402, 0.3551, 0.4860



28.1402, 0.1716, 0.2263



28.1402, 0.4193, 0.2853

Complementary

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



28.1402, 0.3551, 0.4860



8.7789, 0.2410, 0.1616

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.



28.1402, 0.3344, 0.2382



28.1402, 0.3551, 0.4860



28.1402, 0.1978, 0.2041

Square

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



28.1402, 0.3551, 0.4860



28.1402, 0.1750, 0.2817



28.1402, 0.2535, 0.2095



28.1402, 0.4729, 0.3429

Rectangle

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



28.1402, 0.3551, 0.4860



28.1402, 0.2291, 0.3997



28.1402, 0.2535, 0.2095



28.1402, 0.3927, 0.2680

Sweetspot

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



28.1414, 0.3551, 0.4860



56.8859, 0.3279, 0.3750



16.4148, 0.4494, 0.3858



12.4141, 0.3301, 0.3823



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.1414, 0.3551, 0.4860



49.7363, 0.3586, 0.5172



25.6335, 0.3120, 0.5096



7.5907, 0.3204, 0.3515



21.6075, 0.3538, 0.5573



0.4103, 0.3809, 0.5358

Inverse Universe

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



8.7789, 0.2410, 0.1616



11.2057, 0.2205, 0.1257



12.1134, 0.3036, 0.1880



6.5555, 0.3046, 0.3063



2.8143, 0.1851, 0.0793



0.0740, 0.2313, 0.1048

Previews

White Background



This preview shows how the Yxy color 28.1402, 0.3551, 0.4860 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 28.1402, 0.3551, 0.4860 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 28.1402, 0.3551, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 28.1402, 0.3551, 0.4860.



This preview shows how white text looks on a background with the Yxy color 28.1402, 0.3551, 0.4860.

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

28.1402, 0.3551, 0.4860

Protanopia

27.7570, 0.4115, 0.4513

Deuteranopia

27.7860, 0.4322, 0.4232



Tritanopia

27.9319, 0.2877, 0.3094

Trichromacy



Original Color

28.1402, 0.3551, 0.4860

Protanomaly

27.5474, 0.3899, 0.4642

Deuteranomaly

27.5199, 0.4033, 0.4459

Tritanomaly

27.8571, 0.3147, 0.3739

Monochromacy



Original Color

28.1402, 0.3551, 0.4860

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4949, 0.3325, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1402, 0.3551, 0.4860 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, 156, 64)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 64)  
}
```

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, 156, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 64) }
```

Border

The CSS property to change the border of an element to Yxy 28.1402, 0.3551, 0.4860 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, 156, 64) }
```

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

```
.border{ border-color:rgb(120, 156, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 64);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1402, 0.3551, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 64) }
```

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

```
.background{ background-color: rgb(120,  
156, 64) }
```

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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