

Converting Colors

$Y_{xy}(28.1233, 0.3240, 0.4177)$

Have a look what the booklet for
Yxy(28.1233, 0.3240, 0.4177)
contains.

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Color

Yxy(28.1037, 0.3240, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	789A68
RGB	120, 154, 104
RGB Percent	47%, 60%, 41%
CMY	0.5295, 0.3961, 0.5921
CMYK	0.22, 0.00, 0.32, 0.40
HSL	101°, 20%, 51%
HSV	101°, 32%, 60%
XYZ	21.7994, 28.1037, 17.3789
YIQ	138.1340, -4.2140, -22.7580

Conversions

Conversions Part 2

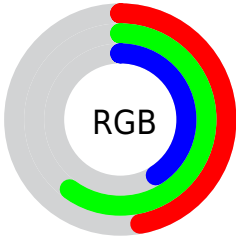
Format	Color
RYB	104, 154, 138
Decimal	7903848
CIELab	59.98, -21.45, 22.52
CIELCh	60, 31.098, 133.613
Yxy	28.1037, 0.3240, 0.4177
Android (android.graphics.Color)	4286093928 (0xFF789A68)
YUV	138.1340, -16.8281, -15.9035
Hunter-Lab	53.0129, -19.3719, 17.6723

Details

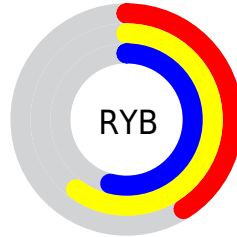
The Yxy color $28.1037, 0.3240, 0.4177$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.6465, 0.2964, 0.2458$, and the grayscale version is $25.5363, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.8855, 0.3221, 0.3980$, and $11.2881, 0.3253, 0.4539$ is the 20% darker color. If you saturate the color by 10%, you get $27.1110, 0.3264, 0.4490$, and if you desaturate by 10%, it is $29.2380, 0.3209, 0.3879$.

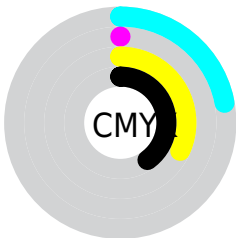
Distribution



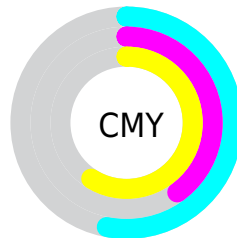
- Red (47%)
- Green (60%)
- Blue (41%)



- Red (41%)
- Yellow (60%)
- Blue (54%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (40%)





- Cyan (53%)
- Magenta (40%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1037, 0.3240, 0.4177 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 28.1037, 0.3240, 0.4177 by changing the saturation by 10% instead.


 28.1037, 0.3240,
0.4177


 28.1037, 0.3240,
0.4177


292.9621, 0.3191,
0.3678


 18.4038, 0.3248,
0.4323


 56.6500, 0.3225,
0.3980


 11.2403, 0.3253,
0.4526


 76.2652, 0.3218,
0.3911

 6.2287, 0.3250,
0.4822

 99.9543, 0.3212,
0.3855

 2.9846, 0.3221,
0.5297

 128.1017, 0.3207,
0.3808

 1.1237, 0.3191,
0.6809

161.0917, 0.3202,
0.3768

 0.0000, 0.0000,
0.0000

199.3089, 0.3198,

0.3733

243.1376, 0.3194,
0.3704

■ 28.1037, 0.3240,
0.4177

■ 28.1037, 0.3240,
0.4177

■ 27.1110, 0.3264,
0.4490

■ 29.2380, 0.3209,
0.3879

■ 26.2506, 0.3279,
0.4805

■ 30.5158, 0.3174,
0.3601

■ 25.5176, 0.3282,
0.5109


■ 31.9432, 0.3136,
0.3348


■ 24.9050, 0.3269,
0.5382

■ 33.5252, 0.3099,
0.3121

■ 24.4057, 0.3242,
0.5608


■ 35.2664, 0.3062,
0.2918

 24.0109, 0.3201,
0.5773

 37.1711, 0.3026,
0.2739

 23.7702, 0.3167,
0.5867

 39.2435, 0.2992,
0.2580

 41.4879, 0.2960,
0.2440

 43.9080, 0.2930,
0.2317

Harmonies

Analogous

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



28.1037, 0.3726, 0.4195



28.1037, 0.3240, 0.4177



28.1037, 0.2747, 0.3849

Triad

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



28.1037, 0.3240, 0.4177



28.1037, 0.2252, 0.2570



28.1037, 0.3926, 0.3170

Complementary

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



28.1037, 0.3240, 0.4177



17.6465, 0.2964, 0.2458

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.



28.1037, 0.3471, 0.2811



28.1037, 0.3240, 0.4177



28.1037, 0.2511, 0.2472

Square

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



28.1037, 0.3240, 0.4177



28.1037, 0.2203, 0.2871



28.1037, 0.2947, 0.2563



28.1037, 0.4148, 0.3575

Rectangle

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



28.1037, 0.3240, 0.4177



28.1037, 0.2480, 0.3517



28.1037, 0.2947, 0.2563



28.1037, 0.3793, 0.3042

Sweetspot

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



28.1049, 0.3240, 0.4177



55.9902, 0.3165, 0.3542



25.8603, 0.3679, 0.3833



12.5990, 0.3170, 0.3576



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.



28.1049, 0.3240, 0.4177



49.7037, 0.3259, 0.4405



27.2354, 0.3014, 0.4061



7.0165, 0.3162, 0.3517



19.3823, 0.3172, 0.5863



0.3078, 0.3493, 0.5608

Inverse Universe

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



17.6465, 0.2964, 0.2458



27.6482, 0.2915, 0.2261



18.8417, 0.3267, 0.2626



6.2247, 0.3089, 0.3067



4.3589, 0.2433, 0.1114



0.0844, 0.2793, 0.1312

Previews

White Background



This preview shows how the Yxy color 28.1037, 0.3240, 0.4177 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 28.1037, 0.3240, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

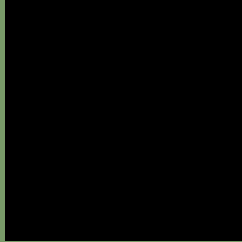
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1037, 0.3240, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 28.1037, 0.3240, 0.4177.



This preview shows how white text looks on a background with the Yxy color 28.1037, 0.3240, 0.4177.

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

28.1037, 0.3240, 0.4177

Protanopia

27.9345, 0.3712, 0.3991

Deuteranopia

27.7845, 0.3833, 0.3761



Tritanopia

28.0378, 0.2840, 0.3093

Trichromacy



Original Color

28.1037, 0.3240, 0.4177

Protanomaly

27.9590, 0.3535, 0.4072

Deuteranomaly

27.6625, 0.3604, 0.3906

Tritanomaly

28.1124, 0.2989, 0.3477

Monochromacy



Original Color

28.1037, 0.3240, 0.4177

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.2782, 0.3166, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1037, 0.3240, 0.4177 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, 154, 104)` looks like.

```
.text, #text, p{  
    color:rgb(120, 154, 104)  
}
```

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, 154, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 154, 104) }
```

Border

The CSS property to change the border of an element to Yxy 28.1037, 0.3240, 0.4177 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, 154, 104) }
```

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

```
.border{ border-color:rgb(120, 154, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 154, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 154, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 154, 104);  
box-shadow:4px 4px 4px 4px rgb(120, 154,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1037, 0.3240, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 154, 104) }
```

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

```
.background{ background-color: rgb(120,  
154, 104) }
```

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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