

Converting Colors

$Y_{xy}(28.2975, 0.3304, 0.4342)$

Have a look what the booklet for
Yxy(28.2975, 0.3304, 0.4342)
contains.

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Color

Yxy(28.2803, 0.3307, 0.4334)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 789B60 |
| RGB | 120, 155, 96 |
| RGB Percent | 47%, 61%, 38% |
| CMY | 0.5294, 0.3921, 0.6234 |
| CMYK | 0.23, 0.00, 0.38, 0.39 |
| HSL | 96°, 23%, 49% |
| HSV | 96°, 38%, 61% |
| XYZ | 21.5789, 28.2803, 15.3930 |
| YIQ | 137.8090, -1.9210, -25.7690 |

Conversions

Conversions Part 2

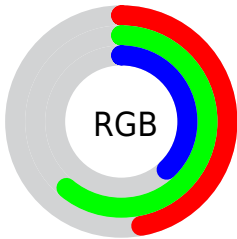
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 96, 155, 131 |
| Decimal | 7904096 |
| CIELab | 60.14, -23.17, 27.09 |
| CIELCh | 60, 35.648, 130.541 |
| Yxy | 28.2803, 0.3307, 0.4334 |
| Android (android.graphics.Color) | 4286094176 (0xFF789B60) |
| YUV | 137.8090, -20.6118, -15.6185 |
| Hunter-Lab | 53.1792, -20.6325, 20.0637 |

Details

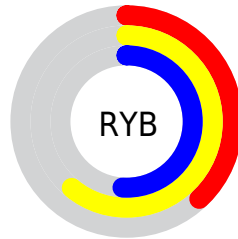
The Yxy color $28.2803, 0.3307, 0.4334$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.5644, 0.2862, 0.2288$, and the grayscale version is $25.4207, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0840, 0.3280, 0.4111$, and $11.4161, 0.3337, 0.4756$ is the 20% darker color. If you saturate the color by 10%, you get $27.3970, 0.3339, 0.4639$, and if you desaturate by 10%, it is $29.2855, 0.3266, 0.4035$.

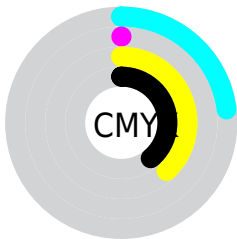
Distribution



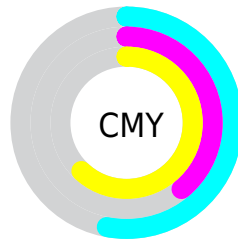
- Red (47%)
- Green (61%)
- Blue (38%)



- Red (38%)
- Yellow (61%)
- Blue (51%)



- Cyan (23%)
- Magenta (0%)
- Yellow (38%)
- Black (39%)





- Cyan (53%)
- Magenta (39%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2803, 0.3307, 0.4334 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 28.2803, 0.3307, 0.4334 by changing the saturation by 10% instead.


 28.2803, 0.3307,
0.4334


 28.2803, 0.3307,
0.4334


293.8039, 0.3226,
0.3746

 18.5371, 0.3321,
0.4505


 56.9316, 0.3281,
0.4103

 11.3363, 0.3332,
0.4741

 76.6085, 0.3271,
0.4022

 6.2935, 0.3331,
0.5082


 100.3654, 0.3261,
0.3955

 3.0243, 0.3326,
0.5673

 128.5867, 0.3252,
0.3899

 1.1445, 0.3047,
0.6953

161.6568, 0.3245,
0.3852

 0.0156, 0.0000,
1.0000

199.9601, 0.3238,

 0.0000, 0.0000,

0.3812

0.0000

243.8810, 0.3232,
0.3777

■ 28.2803, 0.3307,
0.4334

■ 28.2803, 0.3307,
0.4334

■ 27.3970, 0.3339,
0.4639

■ 29.2855, 0.3266,
0.4035

■ 26.6269, 0.3358,
0.4938

■ 30.4138, 0.3219,
0.3750

■ 25.9657, 0.3362,
0.5214

■ 31.6708, 0.3168,
0.3486


■ 25.4073, 0.3347,
0.5452


■ 33.0608, 0.3117,
0.3245


■ 24.9449, 0.3313,
0.5638

■ 34.5878, 0.3067,
0.3027

 24.5672, 0.3267,
0.5771

 36.2556, 0.3018,
0.2832

 24.5006, 0.3258,
0.5795

 38.0679, 0.2972,
0.2659

 40.0283, 0.2928,
0.2505

 42.1402, 0.2887,
0.2368

Harmonies

Analogous

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



28.2803, 0.3851, 0.4303



28.2803, 0.3307, 0.4334



28.2803, 0.2742, 0.3989

Triad

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



28.2803, 0.3307, 0.4334



28.2803, 0.2123, 0.2495



28.2803, 0.3998, 0.3103

Complementary

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



28.2803, 0.3307, 0.4334



15.5644, 0.2862, 0.2288

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.



28.2803, 0.3455, 0.2714



28.2803, 0.3307, 0.4334



28.2803, 0.2388, 0.2368

Square

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



28.2803, 0.3307, 0.4334



28.2803, 0.2093, 0.2851



28.2803, 0.2860, 0.2452



28.2803, 0.4285, 0.3554

Rectangle

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



28.2803, 0.3307, 0.4334



28.2803, 0.2430, 0.3610



28.2803, 0.2860, 0.2452



28.2803, 0.3837, 0.2963

Sweetspot

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



28.2815, 0.3307, 0.4334



55.9791, 0.3184, 0.3567



23.8933, 0.3818, 0.3854



12.6062, 0.3191, 0.3600



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.



28.2815, 0.3307, 0.4334



49.2351, 0.3336, 0.4604



26.8702, 0.3035, 0.4316



7.0420, 0.3174, 0.3516



19.6994, 0.3264, 0.5791



0.3149, 0.3604, 0.5520

Inverse Universe

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



15.5644, 0.2862, 0.2288



22.9988, 0.2780, 0.2042



17.5438, 0.3233, 0.2443



6.1984, 0.3076, 0.3066



3.7509, 0.2237, 0.1006



0.0773, 0.2667, 0.1243

Previews

White Background



This preview shows how the Yxy color 28.2803, 0.3307, 0.4334 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 28.2803, 0.3307, 0.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

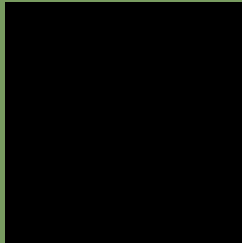
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2803, 0.3307, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 28.2803, 0.3307, 0.4334.



This preview shows how white text looks on a background with the Yxy color 28.2803, 0.3307, 0.4334.

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

28.2803, 0.3307, 0.4334

Protanopia

28.1916, 0.3798, 0.4124

Deuteranopia

27.9813, 0.3945, 0.3857



Tritanopia

28.1165, 0.2850, 0.3094

Trichromacy



Original Color

28.2803, 0.3307, 0.4334

Protanomaly

28.2145, 0.3618, 0.4213

Deuteranomaly

27.7174, 0.3699, 0.4013

Tritanomaly

28.0259, 0.3016, 0.3529

Monochromacy



Original Color

28.2803, 0.3307, 0.4334

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.2019, 0.3195, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2803, 0.3307, 0.4334 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, 155, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 155, 96)  
}
```

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, 155, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 155, 96) }
```

Border

The CSS property to change the border of an element to Yxy 28.2803, 0.3307, 0.4334 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, 155, 96) }
```

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

```
.border{ border-color:rgb(120, 155, 96) }
```

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

Here you see how a box with a 4 pixel rgb(120, 155, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 155, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 155, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 155,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2803, 0.3307, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 155, 96) }
```

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

```
.background{ background-color: rgb(120,  
155, 96) }
```

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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