

Converting Colors

$Y_{xy}(24.2357, 0.3012, 0.3821)$

Have a look what the booklet for
Yxy(24.2357, 0.3012, 0.3821)
contains.

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Color

Yxy(24.3333, 0.3011, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	6B9074
RGB	107, 144, 116
RGB Percent	42%, 56%, 45%
CMY	0.5804, 0.4353, 0.5451
CMYK	0.26, 0.00, 0.19, 0.44
HSL	135°, 15%, 49%
HSV	135°, 26%, 56%
XYZ	19.1900, 24.3333, 20.2098
YIQ	129.7450, -13.0640, -16.5520

Conversions

Conversions Part 2

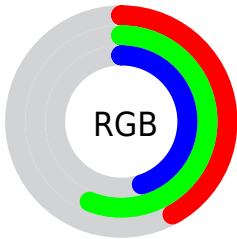
Format	Color
RYB	107, 137, 144
Decimal	7049332
CIELab	56.42, -18.83, 10.78
CIElCh	56, 21.696, 150.217
Yxy	24.3333, 0.3011, 0.3818
Android (android.graphics.Color)	4285239412 (0xFF6B9074)
YUV	129.7450, -6.7763, -19.9474
Hunter-Lab	49.3288, -16.8848, 10.2393

Details

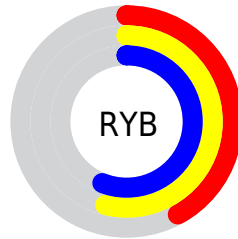
The Yxy color $24.3333, 0.3011, 0.3818$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1962, 0.3269, 0.2814$, and the grayscale version is $22.2574, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.5862, 0.3039, 0.3699$, and $9.1456, 0.2949, 0.4024$ is the 20% darker color. If you saturate the color by 10%, you get $23.2758, 0.2969, 0.4064$, and if you desaturate by 10%, it is $25.5712, 0.3056, 0.3594$.

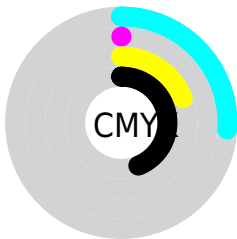
Distribution



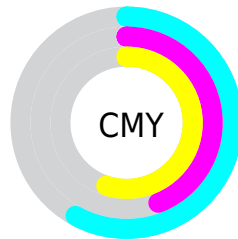
- Red (42%)
- Green (56%)
- Blue (45%)



- Red (42%)
- Yellow (54%)
- Blue (56%)



- Cyan (26%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3333, 0.3011, 0.3818 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 24.3333, 0.3011, 0.3818 by changing the saturation by 10% instead.


 24.3333, 0.3011,
0.3818


 24.3333, 0.3011,
0.3818


274.5012, 0.3080,
0.3517


 15.5810, 0.2989,
0.3909


 50.5736, 0.3039,
0.3698

 9.2282, 0.2957,
0.4039


 68.8303, 0.3049,
0.3656

 4.8903, 0.2906,
0.4236

 91.0241, 0.3057,
0.3622

 2.1831, 0.2813,
0.4570

 117.5392, 0.3063,
0.3594

 0.7107, 0.2279,
0.7505

148.7601, 0.3068,
0.3570

 0.0000, 0.0000,
0.0000

185.0711, 0.3073,

0.3549

226.8567, 0.3076,
0.3532

■ 24.3333, 0.3011,
0.3818

■ 24.3333, 0.3011,
0.3818

■ 23.2758, 0.2969,
0.4064

■ 25.5712, 0.3056,
0.3594

■ 22.3873, 0.2932,
0.4329

■ 26.9944, 0.3101,
0.3394

■ 21.6598, 0.2903,
0.4607

■ 28.6111, 0.3147,
0.3216

■ 21.0833, 0.2884,
0.4887

■ 30.4284, 0.3190,
0.3061

■ 20.6468, 0.2878,
0.5157

■ 32.4528, 0.3232,
0.2924

■ 20.3377, 0.2886,
0.5403

■ 34.6907, 0.3272,
0.2806

■ 20.1382, 0.2906,
0.5611

■ 37.1480, 0.3309,
0.2703

■ 20.0683, 0.2914,
0.5690

■ 39.8305, 0.3344,
0.2613

■ 42.7439, 0.3376,
0.2535

Harmonies

Analogous

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



24.3333, 0.3386, 0.3964



24.3333, 0.3011, 0.3818



24.3333, 0.2680, 0.3501

Triad

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



24.3333, 0.3011, 0.3818



24.3333, 0.2563, 0.2694



24.3333, 0.3826, 0.3379

Complementary

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



24.3333, 0.3011, 0.3818



18.1962, 0.3269, 0.2814

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.



24.3333, 0.3578, 0.3077



24.3333, 0.3011, 0.3818



24.3333, 0.2840, 0.2695

Square

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



24.3333, 0.3011, 0.3818



24.3333, 0.2434, 0.2845



24.3333, 0.3211, 0.2834



24.3333, 0.3870, 0.3678

Rectangle

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



24.3333, 0.3011, 0.3818



24.3333, 0.2526, 0.3254



24.3333, 0.3211, 0.2834



24.3333, 0.3763, 0.3275

Sweetspot

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



24.3343, 0.3011, 0.3818



46.9584, 0.3090, 0.3441



26.1902, 0.3403, 0.3930



10.6867, 0.3084, 0.3468



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.3343, 0.3011, 0.3818



41.7721, 0.2986, 0.3962



24.7983, 0.2848, 0.3470



6.0496, 0.3085, 0.3461



17.4789, 0.2911, 0.5681



0.1701, 0.2704, 0.4936

Inverse Universe

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



18.1962, 0.3269, 0.2814



28.9952, 0.3310, 0.2702



17.7282, 0.3512, 0.3118



5.4889, 0.3172, 0.3125



6.1283, 0.3917, 0.1932



0.0621, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 24.3333, 0.3011, 0.3818 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 24.3333, 0.3011, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

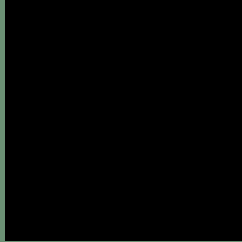
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3333, 0.3011, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 24.3333, 0.3011, 0.3818.



This preview shows how white text looks on a background with the Yxy color 24.3333, 0.3011, 0.3818.

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

24.3333, 0.3011, 0.3818

Protanopia

24.3153, 0.3479, 0.3701

Deuteranopia

24.1672, 0.3539, 0.3471



Tritanopia

24.1780, 0.2759, 0.3095

Trichromacy



Original Color

24.3333, 0.3011, 0.3818

Protanomaly

24.1150, 0.3296, 0.3736

Deuteranomaly

23.9543, 0.3331, 0.3586

Tritanomaly

24.2642, 0.2848, 0.3344

Monochromacy



Original Color

24.3333, 0.3011, 0.3818

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9462, 0.3085, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3333, 0.3011, 0.3818 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(107, 144, 116)` looks like.

```
.text, #text, p{  
    color:rgb(107, 144, 116)  
}
```

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(107, 144, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 144, 116) }
```

Border

The CSS property to change the border of an element to Yxy 24.3333, 0.3011, 0.3818 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(107, 144, 116) }
```

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

```
.border{ border-color:rgb(107, 144, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 144, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 144, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 144, 116);  
box-shadow:4px 4px 4px 4px rgb(107, 144,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3333, 0.3011, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 144, 116) }
```

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

```
.background{ background-color: rgb(107,  
144, 116) }
```

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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