

Converting Colors

$Y_{xy}(25.2179, 0.3107, 0.4018)$

Have a look what the booklet for
Yxy(25.2179, 0.3107, 0.4018)
contains.

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Color

Yxy(25.2014, 0.3103, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	6D936C
RGB	109, 147, 108
RGB Percent	43%, 58%, 42%
CMY	0.5725, 0.4235, 0.5765
CMYK	0.26, 0.00, 0.27, 0.42
HSL	118°, 15%, 50%
HSV	118°, 27%, 58%
XYZ	19.4479, 25.2014, 18.0252
YIQ	131.1920, -10.1290, -20.1850

Conversions

Conversions Part 2

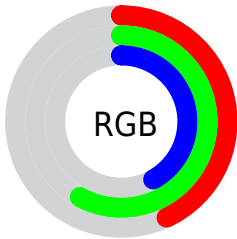
Format	Color
RYB	108, 147, 146
Decimal	7181164
CIELab	57.27, -21.19, 16.51
CIELCh	57, 26.865, 142.073
Yxy	25.2014, 0.3103, 0.4021
Android (android.graphics.Color)	4285371244 (0xFF6D936C)
YUV	131.1920, -11.4337, -19.4624
Hunter-Lab	50.2010, -18.7008, 13.8520

Details

The Yxy color $25.2014, 0.3103, 0.4021$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.9407, 0.3144, 0.2649$, and the grayscale version is $22.8146, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.8884, 0.3109, 0.3847$, and $9.6526, 0.3078, 0.4330$ is the 20% darker color. If you saturate the color by 10%, you get $24.0800, 0.3091, 0.4350$, and if you desaturate by 10%, it is $26.5256, 0.3114, 0.3719$.

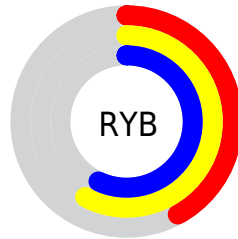
Distribution



Red (43%)

Green (58%)

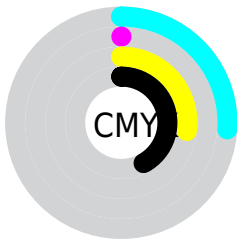
Blue (42%)



Red (42%)

Yellow (58%)

Blue (57%)

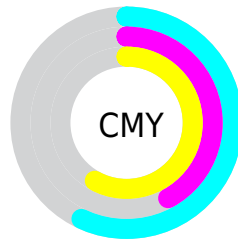


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (42%)



Cyan (57%)

Magenta (42%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2014, 0.3103, 0.4021 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 25.2014, 0.3103, 0.4021 by changing the saturation by 10% instead.


 25.2014, 0.3103,
0.4021


 25.2014, 0.3103,
0.4021


278.8394, 0.3124,
0.3603


 16.2272, 0.3093,
0.4147


 51.9838, 0.3114,
0.3854


 9.6850, 0.3075,
0.4326


 70.5607, 0.3117,
0.3796

 5.1906, 0.3042,
0.4596

 93.1073, 0.3119,
0.3749

 2.3595, 0.2969,
0.5047

 120.0080, 0.3121,
0.3710

 0.8050, 0.2354,
0.7646

151.6472, 0.3122,
0.3677

 0.0000, 0.0000,
0.0000

188.4092, 0.3123,

0.3649

230.6785, 0.3124,
0.3624

■ 25.2014, 0.3103,
0.4021

■ 25.2014, 0.3103,
0.4021

■ 24.0800, 0.3091,
0.4350

■ 26.5256, 0.3114,
0.3719

■ 23.1485, 0.3077,
0.4695

■ 28.0586, 0.3122,
0.3449

■ 22.3972, 0.3062,
0.5039

■ 29.8100, 0.3129,
0.3211

■ 21.8145, 0.3046,
0.5361

■ 31.7879, 0.3135,
0.3004

■ 21.3875, 0.3031,
0.5633

■ 33.9999, 0.3140,
0.2825

■ 21.1011, 0.3018,
0.5835

■ 36.4535, 0.3144,
0.2671

■ 20.9358, 0.3009,
0.5958

■ 39.1555, 0.3147,
0.2538

■ 20.8926, 0.3007,
0.5994

■ 42.1126, 0.3149,
0.2424

■ 45.3315, 0.3151,
0.2325

Harmonies

Analogous

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



25.2014, 0.3554, 0.4122



25.2014, 0.3103, 0.4021



25.2014, 0.2678, 0.3669

Triad

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



25.2014, 0.3103, 0.4021



25.2014, 0.2383, 0.2598



25.2014, 0.3924, 0.3288

Complementary

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



25.2014, 0.3103, 0.4021



18.9407, 0.3144, 0.2649

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.



25.2014, 0.3564, 0.2942



25.2014, 0.3103, 0.4021



25.2014, 0.2670, 0.2556

Square

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



25.2014, 0.3103, 0.4021



25.2014, 0.2284, 0.2823



25.2014, 0.3097, 0.2682



25.2014, 0.4049, 0.3656

Rectangle

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



25.2014, 0.3103, 0.4021



25.2014, 0.2464, 0.3363



25.2014, 0.3097, 0.2682



25.2014, 0.3825, 0.3167

Sweetspot

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



25.2025, 0.3103, 0.4021



49.7741, 0.3121, 0.3491



27.7517, 0.3520, 0.3911



11.2710, 0.3120, 0.3528



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.2025, 0.3103, 0.4021



43.8606, 0.3096, 0.4220



25.5673, 0.2929, 0.3672



6.4752, 0.3120, 0.3518



18.1141, 0.3008, 0.5994



0.2231, 0.3047, 0.5963

Inverse Universe

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



18.9407, 0.3144, 0.2649



30.6543, 0.3148, 0.2502



18.5071, 0.3388, 0.2938



5.9016, 0.3133, 0.3072



6.9042, 0.3146, 0.1507



0.0865, 0.3180, 0.1525

Previews

White Background



This preview shows how the Yxy color 25.2014, 0.3103, 0.4021 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 25.2014, 0.3103, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

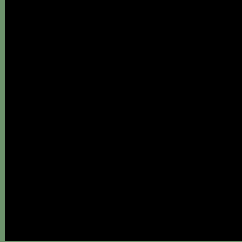
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2014, 0.3103, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 25.2014, 0.3103, 0.4021.



This preview shows how white text looks on a background with the Yxy color 25.2014, 0.3103, 0.4021.

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

25.2014, 0.3103, 0.4021

Protanopia

25.0736, 0.3608, 0.3861

Deuteranopia

25.0212, 0.3686, 0.3628



Tritanopia

25.0987, 0.2782, 0.3099

Trichromacy



Original Color

25.2014, 0.3103, 0.4021

Protanomaly

25.0562, 0.3406, 0.3924

Deuteranomaly

24.6798, 0.3460, 0.3754

Tritanomaly

24.9999, 0.2897, 0.3415

Monochromacy



Original Color

25.2014, 0.3103, 0.4021

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.5323, 0.3115, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2014, 0.3103, 0.4021 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(109, 147, 108)` looks like.

```
.text, #text, p{  
    color:rgb(109, 147, 108)  
}
```

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(109, 147, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 147, 108) }
```

Border

The CSS property to change the border of an element to Yxy 25.2014, 0.3103, 0.4021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

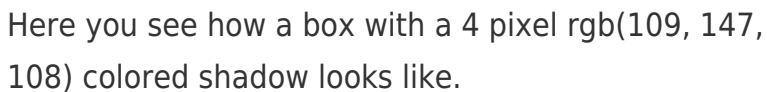
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 147, 108) }
```

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

```
.border{ border-color:rgb(109, 147, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 147, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 147, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 147, 108); box-shadow:4px 4px 4px 4px rgb(109, 147, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2014, 0.3103, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 147, 108) }
```

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

```
.background{ background-color: rgb(109,  
147, 108) }
```

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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