

Converting Colors

$Y_{xy}(25.8312, 0.3665, 0.4487)$

Have a look what the booklet for
Yxy(25.8312, 0.3665, 0.4487)
contains.

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Color

Yxy(25.7591, 0.3666, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	85914C
RGB	133, 145, 76
RGB Percent	52%, 57%, 30%
CMY	0.4785, 0.4314, 0.7019
CMYK	0.08, 0.00, 0.48, 0.43
HSL	70°, 31%, 43%
HSV	70°, 48%, 57%
XYZ	21.1023, 25.7591, 10.7008
YIQ	133.5460, 14.9970, -24.0030

Conversions

Conversions Part 2

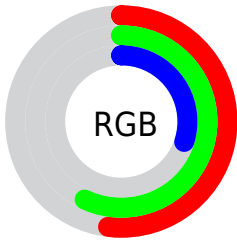
Format	Color
RYB	76, 145, 88
Decimal	8753484
CIELab	57.81, -15.38, 34.96
CIELCh	58, 38.190, 113.740
Yxy	25.7591, 0.3666, 0.4475
Android (android.graphics.Color)	4286943564 (0xFF85914C)
YUV	133.5460, -28.3702, -0.4788
Hunter-Lab	50.7534, -14.6016, 23.0267

Details

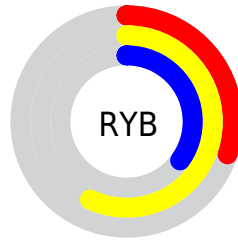
The Yxy color $25.7591, 0.3666, 0.4475$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.2927, 0.2394, 0.1897$, and the grayscale version is $23.7674, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.9180, 0.3569, 0.4227$, and $10.0621, 0.3801, 0.4915$ is the 20% darker color. If you saturate the color by 10%, you get $25.3777, 0.3755, 0.4703$, and if you desaturate by 10%, it is $26.1933, 0.3563, 0.4228$.

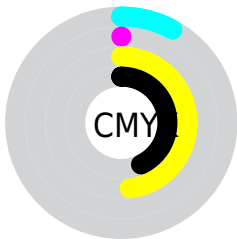
Distribution



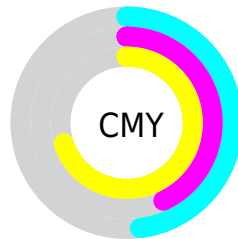
- Red (52%)
- Green (57%)
- Blue (30%)



- Red (30%)
- Yellow (57%)
- Blue (35%)



- Cyan (8%)
- Magenta (0%)
- Yellow (48%)
- Black (43%)





- Cyan (48%)
- Magenta (43%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7591, 0.3666, 0.4475 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 25.7591, 0.3666, 0.4475 by changing the saturation by 10% instead.


 25.7591, 0.3666,
0.4475

 25.7591, 0.3666,
0.4475


281.5975, 0.3393,
0.3814

 16.6435, 0.3728,
0.4661


 52.8861, 0.3569,
0.4218


 9.9806, 0.3798,
0.4909


 71.6662, 0.3532,
0.4127

 5.3861, 0.3867,
0.5249

 94.4367, 0.3500,
0.4051

 2.4756, 0.4048,
0.5952

 121.5819, 0.3472,
0.3988

 0.8644, 0.3405,
0.6595

 153.4861, 0.3449,
0.3935

 0.0000, 0.0000,
0.0000

190.5339, 0.3428,

0.3889

233.1096, 0.3409,
0.3849

■ 25.7591, 0.3666,
0.4475

■ 25.7591, 0.3666,
0.4475

■ 25.3777, 0.3755,
0.4703

■ 26.1933, 0.3563,
0.4228

■ 25.0423, 0.3825,
0.4903

■ 26.6795, 0.3450,
0.3973

■ 24.7508, 0.3872,
0.5067

■ 27.2217, 0.3333,
0.3718

■ 24.4989, 0.3894,
0.5188

■ 27.8221, 0.3215,
0.3470

■ 24.2793, 0.3895,
0.5271

■ 28.4831, 0.3100,
0.3234

■ 24.2277, 0.3895,
0.5290

■ 29.2068, 0.2989,
0.3012

■ 29.9952, 0.2884,
0.2807

■ 30.8503, 0.2786,
0.2619

■ 31.7740, 0.2696,
0.2448

Harmonies

Analogous

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



25.7591, 0.4180, 0.4229



25.7591, 0.3666, 0.4475



25.7591, 0.3037, 0.4336

Triad

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



25.7591, 0.3666, 0.4475



25.7591, 0.1980, 0.2599



25.7591, 0.3774, 0.2831

Complementary

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



25.7591, 0.3666, 0.4475



9.2927, 0.2394, 0.1897

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.



25.7591, 0.3110, 0.2480



25.7591, 0.3666, 0.4475



25.7591, 0.2126, 0.2327

Square

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



25.7591, 0.3666, 0.4475



25.7591, 0.2092, 0.3122



25.7591, 0.2517, 0.2299



25.7591, 0.4275, 0.3290

Rectangle

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



25.7591, 0.3666, 0.4475



25.7591, 0.2638, 0.4008



25.7591, 0.2517, 0.2299



25.7591, 0.3558, 0.2699

Sweetspot

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



25.7603, 0.3666, 0.4475



49.0876, 0.3294, 0.3636



13.4430, 0.4274, 0.3497



10.8749, 0.3317, 0.3685



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.



25.7603, 0.3666, 0.4475



45.4050, 0.3760, 0.4717



23.4279, 0.3283, 0.4640



6.2386, 0.3234, 0.3509



20.7893, 0.3896, 0.5288



0.2068, 0.4050, 0.5167

Inverse Universe

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



9.2927, 0.2394, 0.1897



12.2690, 0.2195, 0.1552



11.3547, 0.2847, 0.2056



5.2973, 0.3015, 0.3065



1.9421, 0.1594, 0.0652



0.0254, 0.1918, 0.0830

Previews

White Background



This preview shows how the Yxy color 25.7591, 0.3666, 0.4475 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 25.7591, 0.3666, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

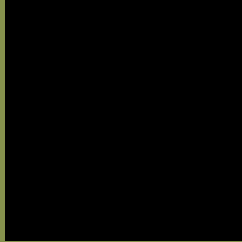
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7591, 0.3666, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 25.7591, 0.3666, 0.4475.



This preview shows how white text looks on a background with the Yxy color 25.7591, 0.3666, 0.4475.

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

25.7591, 0.3666, 0.4475

Protanopia

25.7320, 0.3965, 0.4322

Deuteranopia

25.5021, 0.4166, 0.4082



Tritanopia

25.6922, 0.3060, 0.3110

Trichromacy



Original Color

25.7591, 0.3666, 0.4475

Protanomaly

25.6687, 0.3856, 0.4370

Deuteranomaly

25.5093, 0.3978, 0.4223

Tritanomaly

25.5646, 0.3289, 0.3598

Monochromacy



Original Color

25.7591, 0.3666, 0.4475

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.4375, 0.3342, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7591, 0.3666, 0.4475 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(133, 145, 76)` looks like.

```
.text, #text, p{  
    color:rgb(133, 145, 76)  
}
```

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(133, 145, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 145, 76) }
```

Border

The CSS property to change the border of an element to Yxy 25.7591, 0.3666, 0.4475 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(133, 145, 76) }
```

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

```
.border{ border-color:rgb(133, 145, 76) }
```

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

Here you see how a box with a 4 pixel rgb(133, 145, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 145, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 145, 76);  
box-shadow:4px 4px 4px 4px rgb(133, 145,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7591, 0.3666, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 145, 76) }
```

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

```
.background{ background-color: rgb(133,  
145, 76) }
```

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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