

Converting Colors

$Y_{xy}(24.4786, 0.2962, 0.4110)$

Have a look what the booklet for
Yxy(24.4786, 0.2962, 0.4110)
contains.

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Color

Yxy(24.5476, 0.2966, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	5D946A
RGB	93, 148, 106
RGB Percent	36%, 58%, 42%
CMY	0.6353, 0.4196, 0.5843
CMYK	0.37, 0.00, 0.28, 0.42
HSL	134°, 23%, 47%
HSV	134°, 37%, 58%
XYZ	17.7063, 24.5476, 17.4436
YIQ	126.7670, -19.2980, -24.7220

Conversions

Conversions Part 2

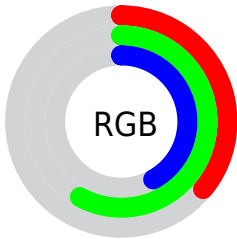
Format	Color
R_{YB}	93, 137, 148
Decimal	6132842
CIE _{Lab}	56.63, -27.51, 16.60
CIE _{LCh}	57, 32.130, 148.883
Yxy	24.5476, 0.2966, 0.4112
Android (android.graphics.Color)	4284322922 (0xFF5D946A)
YUV	126.7670, -10.2381, -29.6137
Hunter-Lab	49.5455, -22.9135, 13.8075

Details

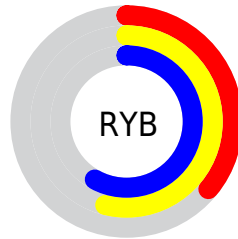
The Yxy color $24.5476, 0.2966, 0.4112$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.8744, 0.3346, 0.2591$, and the grayscale version is $21.1810, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.6951, 0.3009, 0.3923$, and $9.3685, 0.2888, 0.4483$ is the 20% darker color. If you saturate the color by 10%, you get $23.6297, 0.2931, 0.4383$, and if you desaturate by 10%, it is $25.6480, 0.3007, 0.3860$.

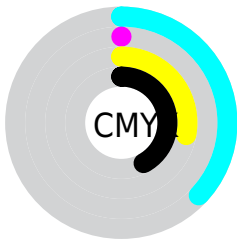
Distribution



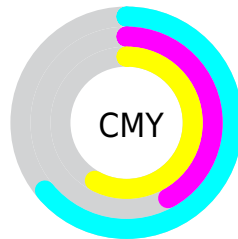
- Red (36%)
- Green (58%)
- Blue (42%)



- Red (36%)
- Yellow (54%)
- Blue (58%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (42%)





- Cyan (64%)
- Magenta (42%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5476, 0.2966, 0.4112 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 24.5476, 0.2966, 0.4112 by changing the saturation by 10% instead.


 24.5476, 0.2966,
0.4112


 24.5476, 0.2966,
0.4112


275.5774, 0.3066,
0.3637

 15.7403, 0.2932,
0.4258


 50.9223, 0.3008,
0.3921


 9.3406, 0.2881,
0.4467


 69.2586, 0.3022,
0.3855

 4.9640, 0.2797,
0.4786

 91.5400, 0.3033,
0.3801

 2.2262, 0.2640,
0.5337

 118.1509, 0.3042,
0.3757

 0.7342, 0.0346,
0.9654

149.4756, 0.3049,
0.3720

 0.0000, 0.0000,
0.0000

185.8987, 0.3056,

0.3688

227.8045, 0.3061,
0.3661

■ 24.5476, 0.2966,
0.4112

■ 24.5476, 0.2966,
0.4112

■ 23.6297, 0.2931,
0.4383

■ 25.6480, 0.3007,
0.3860

■ 22.8814, 0.2903,
0.4664

■ 26.9369, 0.3050,
0.3630

■ 22.2929, 0.2887,
0.4946

■ 28.4238, 0.3095,
0.3423

■ 21.8521, 0.2883,
0.5215

■ 30.1167, 0.3140,
0.3240

■ 21.5450, 0.2893,
0.5456

■ 32.0232, 0.3183,
0.3080

■ 21.3489, 0.2914,
0.5657

■ 34.1503, 0.3224,
0.2940

■ 21.3018, 0.2919,
0.5707

■ 36.5048, 0.3263,
0.2818

■ 39.0933, 0.3300,
0.2711

■ 41.9220, 0.3334,
0.2619

Harmonies

Analogous

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



24.5476, 0.3512, 0.4304



24.5476, 0.2966, 0.4112



24.5476, 0.2489, 0.3624

Triad

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



24.5476, 0.2966, 0.4112



24.5476, 0.2302, 0.2436



24.5476, 0.4153, 0.3375

Complementary

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



24.5476, 0.2966, 0.4112



15.8744, 0.3346, 0.2591

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.



24.5476, 0.3770, 0.2959



24.5476, 0.2966, 0.4112



24.5476, 0.2681, 0.2440

Square

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



24.5476, 0.2966, 0.4112



24.5476, 0.2134, 0.2644



24.5476, 0.3215, 0.2628



24.5476, 0.4224, 0.3806

Rectangle

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



24.5476, 0.2966, 0.4112



24.5476, 0.2269, 0.3244



24.5476, 0.3215, 0.2628



24.5476, 0.4056, 0.3231

Sweetspot

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



24.5486, 0.2966, 0.4112



49.0431, 0.3077, 0.3504



27.1357, 0.3522, 0.4232



11.1225, 0.3072, 0.3529



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.



24.5486, 0.2966, 0.4112



41.8800, 0.2935, 0.4348



25.2105, 0.2737, 0.3564



6.4896, 0.3086, 0.3463



18.1984, 0.2916, 0.5697



0.2267, 0.2711, 0.4959

Inverse Universe

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



15.8744, 0.3346, 0.2591



24.1864, 0.3413, 0.2431



15.2011, 0.3759, 0.3037



5.8860, 0.3171, 0.3123



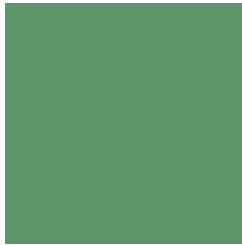
6.4003, 0.3896, 0.1920



0.0829, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 24.5476, 0.2966, 0.4112 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 24.5476, 0.2966, 0.4112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

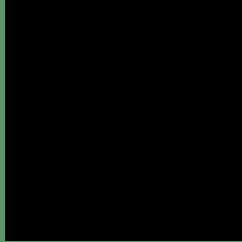
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5476, 0.2966, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 24.5476, 0.2966, 0.4112.



This preview shows how white text looks on a background with the Yxy color 24.5476, 0.2966, 0.4112.

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

24.5476, 0.2966, 0.4112

Protanopia

24.2678, 0.3625, 0.3886

Deuteranopia

24.2592, 0.3682, 0.3616



Tritanopia

24.5295, 0.2650, 0.3093

Trichromacy



Original Color

24.5476, 0.2966, 0.4112

Protanomaly

24.1511, 0.3358, 0.3979

Deuteranomaly

24.0638, 0.3388, 0.3785

Tritanomaly

24.3767, 0.2759, 0.3438

Monochromacy



Original Color

24.5476, 0.2966, 0.4112

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.3047, 0.3069, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5476, 0.2966, 0.4112 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(93, 148, 106)` looks like.

```
.text, #text, p{  
    color:rgb(93, 148, 106)  
}
```

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(93, 148, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 148, 106) }
```

Border

The CSS property to change the border of an element to Yxy 24.5476, 0.2966, 0.4112 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(93, 148, 106) }
```

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

```
.border{ border-color:rgb(93, 148, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 148, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 148, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 148, 106);  
box-shadow:4px 4px 4px 4px rgb(93, 148,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5476, 0.2966, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 148, 106) }
```

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

```
.background{ background-color: rgb(93, 148,  
106) }
```

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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