

Converting Colors

$Y_{xy}(23.5292, 0.2917, 0.4383)$

Have a look what the booklet for
Yxy(23.5292, 0.2917, 0.4383)
contains.

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Color

Yxy(23.5838, 0.2918, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	4D945F
RGB	77, 148, 95
RGB Percent	30%, 58%, 37%
CMY	0.6983, 0.4196, 0.6275
CMYK	0.48, 0.00, 0.36, 0.42
HSL	135°, 32%, 44%
HSV	135°, 48%, 58%
XYZ	15.7118, 23.5838, 14.5487
YIQ	120.7290, -25.3030, -31.5350

Conversions

Conversions Part 2

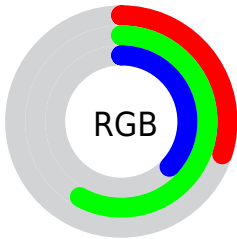
Format	Color
RYB	77, 134, 148
Decimal	5084255
CIELab	55.67, -34.51, 21.32
CIElCh	56, 40.562, 148.291
Yxy	23.5838, 0.2918, 0.4380
Android (android.graphics.Color)	4283274335 (0xFF4D945F)
YUV	120.7290, -12.6844, -38.3503
Hunter-Lab	48.5632, -27.2349, 16.2319

Details

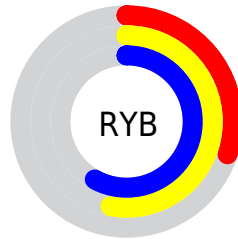
The Yxy color **23.5838, 0.2918, 0.4380** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.2060, 0.3450, 0.2412**, and the grayscale version is **19.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5330, 0.2975, 0.4122**, and **8.9222, 0.2798, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **22.8514, 0.2890, 0.4656**, and if you desaturate by 10%, it is **24.4867, 0.2954, 0.4114**.

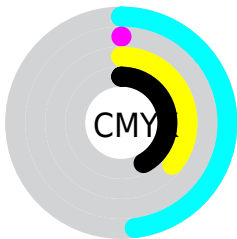
Distribution



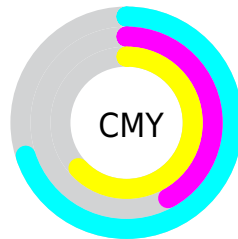
- Red (30%)
- Green (58%)
- Blue (37%)



- Red (30%)
- Yellow (53%)
- Blue (58%)



- Cyan (48%)
- Magenta (0%)
- Yellow (36%)
- Black (42%)





- Cyan (70%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5838, 0.2918, 0.4380 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 23.5838, 0.2918, 0.4380 by changing the saturation by 10% instead.


 23.5838, 0.2918,
0.4380


 23.5838, 0.2918,
0.4380


270.7095, 0.3052,
0.3740


 15.0252, 0.2869,
0.4581


 49.3502, 0.2977,
0.4119

 8.8371, 0.2794,
0.4871


 67.3267, 0.2995,
0.4031

 4.6351, 0.2666,
0.5320

 89.2113, 0.3010,
0.3959

 2.0348, 0.2489,
0.6282

 115.3884, 0.3022,
0.3900

 0.6276, 0.0000,
1.0000

 146.2424, 0.3032,
0.3850

 0.0000, 0.0000,
0.0000

182.1576, 0.3040,

0.3808

223.5185, 0.3047,
0.3772

■ 23.5838, 0.2918,
0.4380

■ 23.5838, 0.2918,
0.4380

■ 22.8514, 0.2890,
0.4656

■ 24.4867, 0.2954,
0.4114

■ 22.2758, 0.2874,
0.4933

■ 25.5669, 0.2997,
0.3866

■ 21.8457, 0.2871,
0.5197


■ 26.8346, 0.3042,
0.3640


■ 21.5472, 0.2883,
0.5435

■ 28.2982, 0.3089,
0.3437

■ 21.3543, 0.2905,
0.5635


■ 29.9656, 0.3136,
0.3256

 21.3210, 0.2909,
0.5671

 31.8443, 0.3182,
0.3097

 33.9414, 0.3226,
0.2958

 36.2637, 0.3268,
0.2837

 38.8177, 0.3307,
0.2732

Harmonies

Analogous

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



23.5838, 0.3604, 0.4597



23.5838, 0.2918, 0.4380



23.5838, 0.2325, 0.3731

Triad

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



23.5838, 0.2918, 0.4380



23.5838, 0.2092, 0.2227



23.5838, 0.4436, 0.3361

Complementary

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



23.5838, 0.2918, 0.4380



13.2060, 0.3450, 0.2412

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.



23.5838, 0.3935, 0.2860



23.5838, 0.2918, 0.4380



23.5838, 0.2548, 0.2236

Square

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



23.5838, 0.2918, 0.4380



23.5838, 0.1895, 0.2471



23.5838, 0.3216, 0.2462



23.5838, 0.4520, 0.3893

Rectangle

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



23.5838, 0.2918, 0.4380



23.5838, 0.2057, 0.3227



23.5838, 0.3216, 0.2462



23.5838, 0.4309, 0.3187

Sweetspot

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



23.5848, 0.2918, 0.4380



48.2648, 0.3060, 0.3561



26.4835, 0.3609, 0.4515



10.9048, 0.3051, 0.3602



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.



23.5848, 0.2918, 0.4380



40.1840, 0.2888, 0.4688



24.3769, 0.2639, 0.3636



6.4912, 0.3084, 0.3459



18.2123, 0.2906, 0.5661



0.2271, 0.2694, 0.4898

Inverse Universe

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



13.2060, 0.3450, 0.2412



19.5405, 0.3553, 0.2235



12.4165, 0.4067, 0.2985



5.8843, 0.3174, 0.3126



6.3512, 0.3956, 0.1953



0.0825, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 23.5838, 0.2918, 0.4380 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 23.5838, 0.2918, 0.4380 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 23.5838, 0.2918, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 23.5838, 0.2918, 0.4380.



This preview shows how white text looks on a background with the Yxy color 23.5838, 0.2918, 0.4380.

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

23.5838, 0.2918, 0.4380

Protanopia

23.4256, 0.3743, 0.4043

Deuteranopia

23.1668, 0.3803, 0.3734



Tritanopia

23.4904, 0.2550, 0.3086

Trichromacy



Original Color

23.5838, 0.2918, 0.4380

Protanomaly

22.9254, 0.3405, 0.4169

Deuteranomaly

22.7218, 0.3427, 0.3969

Tritanomaly

23.5165, 0.2683, 0.3541

Monochromacy



Original Color

23.5838, 0.2918, 0.4380

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.4057, 0.3031, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5838, 0.2918, 0.4380 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(77, 148, 95)` looks like.

```
.text, #text, p{  
    color:rgb(77, 148, 95)  
}
```

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(77, 148, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 148, 95) }
```

Border

The CSS property to change the border of an element to Yxy 23.5838, 0.2918, 0.4380 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(77, 148, 95) }
```

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

```
.border{ border-color:rgb(77, 148, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 148, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 148, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 148, 95);  
box-shadow:4px 4px 4px 4px rgb(77, 148,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5838, 0.2918, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 148, 95) }
```

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

```
.background{ background-color: rgb(77, 148,  
95) }
```

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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