

Converting Colors

$Y_{xy}(23.5522, 0.2877, 0.4186)$

Have a look what the booklet for
Yxy(23.5522, 0.2877, 0.4186)
contains.

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Color

$Y_{xy}(23.5522, 0.2877, 0.4186)$

Conversions

Conversions Part 1

Format	Color
Hex	509367
RGB	80, 147, 103
RGB Percent	31%, 58%, 40%
CMY	0.6865, 0.4235, 0.5961
CMYK	0.46, 0.00, 0.30, 0.42
HSL	141°, 30%, 45%
HSV	141°, 46%, 58%
XYZ	16.1872, 23.5522, 16.5248
YIQ	121.9510, -25.8080, -27.8880

Conversions

Conversions Part 2

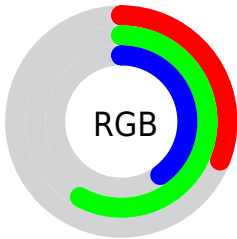
Format	Color
RYB	80, 130, 147
Decimal	5280615
CIELab	55.64, -31.63, 16.83
CIELCh	56, 35.828, 151.982
Yxy	23.5522, 0.2877, 0.4186
Android (android.graphics.Color)	4283470695 (0xFF509367)
YUV	121.9510, -9.3428, -36.7910
Hunter-Lab	48.5306, -25.3905, 13.7830

Details

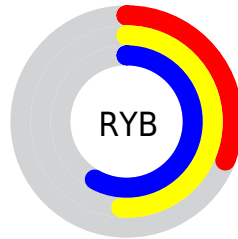
The Yxy color **23.5522, 0.2877, 0.4186** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.3888, 0.3525, 0.2546**, and the grayscale version is **19.4796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0929, 0.2944, 0.3971**, and **8.8709, 0.2748, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **22.7995, 0.2840, 0.4428**, and if you desaturate by 10%, it is **24.4692, 0.2924, 0.3957**.

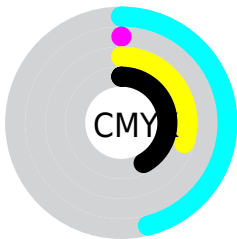
Distribution



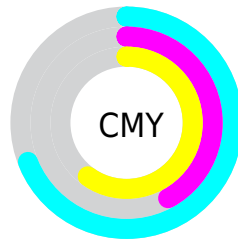
- Red (31%)
- Green (58%)
- Blue (40%)



- Red (31%)
- Yellow (51%)
- Blue (58%)



- Cyan (46%)
- Magenta (0%)
- Yellow (30%)
- Black (42%)





- Cyan (69%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5522, 0.2877, 0.4186 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 23.5522, 0.2877, 0.4186 by changing the saturation by 10% instead.


 23.5522, 0.2877,
0.4186


 23.5522, 0.2877,
0.4186


270.5487, 0.3029,
0.3663


 15.0018, 0.2827,
0.4350


 49.2985, 0.2940,
0.3974

 8.8206, 0.2752,
0.4585


 67.2631, 0.2961,
0.3901


 4.6244, 0.2630,
0.4951

 89.1346, 0.2978,
0.3842

 2.0286, 0.2420,
0.5619

 115.2973, 0.2992,
0.3794

 0.6240, 0.0000,
1.0000

 146.1357, 0.3003,
0.3753

 0.0000, 0.0000,
0.0000

182.0341, 0.3013,

0.3719

223.3770, 0.3021,
0.3689

■ 23.5522, 0.2877,
0.4186

■ 23.5522, 0.2877,
0.4186

■ 22.7995, 0.2840,
0.4428

■ 24.4692, 0.2924,
0.3957

■ 22.1981, 0.2816,
0.4676

■ 25.5568, 0.2977,
0.3745

■ 21.7380, 0.2807,
0.4922


■ 26.8242, 0.3034,
0.3552

■ 21.4063, 0.2814,
0.5156


■ 28.2794, 0.3094,
0.3379


■ 21.1856, 0.2838,
0.5368


■ 29.9297, 0.3153,
0.3225

 21.1053, 0.2848,
0.5454

 31.7821, 0.3211,
0.3089

 33.8433, 0.3268,
0.2970

 36.1196, 0.3322,
0.2866

 38.6170, 0.3373,
0.2775

Harmonies

Analogous

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



23.5522, 0.3489, 0.4440



23.5522, 0.2877, 0.4186



23.5522, 0.2363, 0.3599

Triad

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



23.5522, 0.2877, 0.4186



23.5522, 0.2238, 0.2326



23.5522, 0.4314, 0.3425

Complementary

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



23.5522, 0.2877, 0.4186



13.3888, 0.3525, 0.2546

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.



23.5522, 0.3911, 0.2961



23.5522, 0.2877, 0.4186



23.5522, 0.2679, 0.2357

Square

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



23.5522, 0.2877, 0.4186



23.5522, 0.2028, 0.2525



23.5522, 0.3290, 0.2583



23.5522, 0.4349, 0.3902

Rectangle

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



23.5522, 0.2877, 0.4186



23.5522, 0.2138, 0.3166



23.5522, 0.3290, 0.2583



23.5522, 0.4217, 0.3265

Sweetspot

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



23.5532, 0.2877, 0.4186



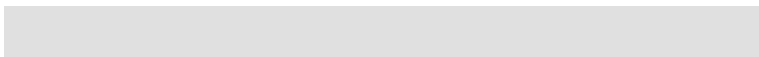
48.3573, 0.3042, 0.3528



25.7832, 0.3525, 0.4479



10.9284, 0.3031, 0.3564



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.



23.5532, 0.2877, 0.4186



40.7626, 0.2838, 0.4441



24.3467, 0.2615, 0.3504



6.4994, 0.3072, 0.3439



18.2989, 0.2845, 0.5443



0.2291, 0.2614, 0.4609

Inverse Universe

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



13.3888, 0.3525, 0.2546



20.1442, 0.3656, 0.2390



12.6921, 0.4098, 0.3097



5.8757, 0.3186, 0.3146



6.1223, 0.4283, 0.2133



0.0805, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 23.5522, 0.2877, 0.4186 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 23.5522, 0.2877, 0.4186 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 23.5522, 0.2877, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 23.5522, 0.2877, 0.4186.



This preview shows how white text looks on a background with the Yxy color 23.5522, 0.2877, 0.4186.

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

23.5522, 0.2877, 0.4186

Protanopia

23.2052, 0.3648, 0.3895

Deuteranopia

23.1103, 0.3694, 0.3622



Tritanopia

23.5921, 0.2565, 0.3087

Trichromacy



Original Color

23.5522, 0.2877, 0.4186

Protanomaly

22.7852, 0.3327, 0.4002

Deuteranomaly

22.6028, 0.3345, 0.3803

Tritanomaly

23.4409, 0.2680, 0.3462

Monochromacy



Original Color

23.5522, 0.2877, 0.4186

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.5962, 0.3022, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5522, 0.2877, 0.4186 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(80, 147, 103)` looks like.

```
.text, #text, p{  
    color:rgb(80, 147, 103)  
}
```

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(80, 147, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 147, 103) }
```

Border

The CSS property to change the border of an element to Yxy 23.5522, 0.2877, 0.4186 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(80, 147, 103) }
```

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

```
.border{ border-color:rgb(80, 147, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 147, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 147, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 147, 103);  
box-shadow:4px 4px 4px 4px rgb(80, 147,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5522, 0.2877, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 147, 103) }
```

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

```
.background{ background-color: rgb(80, 147,  
103) }
```

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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