

Converting Colors

$Y_{xy}(25.0670, 0.2770, 0.4638)$

Have a look what the booklet for
Yxy(25.0670, 0.2770, 0.4638)
contains.

Yxy(25.1606, 0.2771, 0.4649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.1606, 0.2771, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	309C5B
RGB	48, 156, 91
RGB Percent	19%, 61%, 36%
CMY	0.8116, 0.3882, 0.6431
CMYK	0.69, 0.00, 0.42, 0.39
HSL	144°, 53%, 40%
HSV	144°, 69%, 61%
XYZ	14.9968, 25.1606, 13.9631
YIQ	116.2980, -43.5030, -43.1110

Conversions

Conversions Part 2

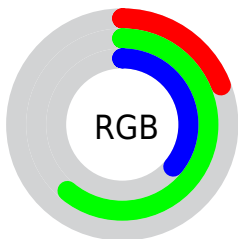
Format	Color
R_{YB}	48, 125, 156
Decimal	3185755
CIE _{Lab}	57.23, -45.47, 25.40
CIE _{LCh}	57, 52.087, 150.808
Yxy	25.1606, 0.2771, 0.4649
Android (android.graphics.Color)	4281375835 (0xFF309C5B)
YUV	116.2980, -12.4719, -59.8973
Hunter-Lab	50.1603, -34.4132, 18.6078

Details

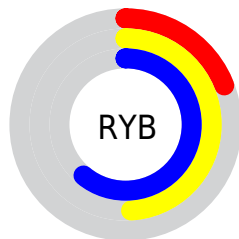
The Yxy color **25.1606, 0.2771, 0.4649** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.3778, 0.3960, 0.2315**, and the grayscale version is **17.6136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7297, 0.2867, 0.4316**, and **10.0825, 0.2767, 0.5162** is the 20% darker color. If you saturate the color by 10%, you get **24.6944, 0.2766, 0.4877**, and if you desaturate by 10%, it is **25.7826, 0.2793, 0.4418**.

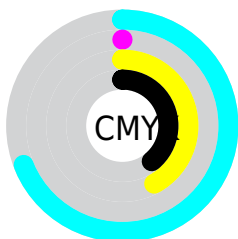
Distribution



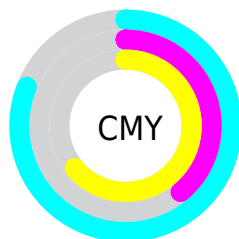
- Red (19%)
- Green (61%)
- Blue (36%)



- Red (19%)
- Yellow (49%)
- Blue (61%)



- Cyan (69%)
- Magenta (0%)
- Yellow (42%)
- Black (39%)





- Cyan (81%)
- Magenta (39%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1606, 0.2771, 0.4649 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 25.1606, 0.2771, 0.4649 by changing the saturation by 10% instead.


 25.1606, 0.2771,
0.4649


 25.1606, 0.2771,
0.4649


278.6368, 0.2994,
0.3850


 16.1967, 0.2693,
0.4900


 51.9176, 0.2866,
0.4324


 9.6635, 0.2576,
0.5258


 70.4796, 0.2898,
0.4213


 5.1764, 0.2384,
0.5806

 93.0098, 0.2922,
0.4123

 2.3511, 0.2096,
0.7007

 119.8925, 0.2942,
0.4049

 0.8006, 0.0000,
1.0000

 151.5121, 0.2959,
0.3987

 0.0000, 0.0000,
0.0000

 188.2531, 0.2973,

0.3934

230.4999, 0.2984,
0.3889

■ 25.1606, 0.2771,
0.4649

■ 25.1606, 0.2771,
0.4649

■ 24.6944, 0.2766,
0.4877

■ 25.7826, 0.2793,
0.4418

■ 24.3654, 0.2779,
0.5094

■ 26.5705, 0.2830,
0.4192

■ 24.1419, 0.2806,
0.5294

■ 27.5373, 0.2878,
0.3977

■ 24.1257, 0.2808,
0.5309

■ 28.6936, 0.2936,
0.3776

■ 30.0492, 0.2999,
0.3593

■ 31.6133, 0.3065,
0.3427

■ 33.3944, 0.3132,
0.3279

■ 35.4007, 0.3199,
0.3148

■ 37.6398, 0.3265,
0.3032

Harmonies

Analogous

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



25.1606, 0.3606, 0.4945



25.1606, 0.2771, 0.4649



25.1606, 0.2079, 0.3758

Triad

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



25.1606, 0.2771, 0.4649



25.1606, 0.1905, 0.1990



25.1606, 0.4797, 0.3391

Complementary

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



25.1606, 0.2771, 0.4649



10.3778, 0.3960, 0.2315

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.



25.1606, 0.4206, 0.2799



25.1606, 0.2771, 0.4649



25.1606, 0.2466, 0.2034

Square

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



25.1606, 0.2771, 0.4649



25.1606, 0.1650, 0.2233



25.1606, 0.3302, 0.2320



25.1606, 0.4826, 0.4025

Rectangle

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



25.1606, 0.2771, 0.4649



25.1606, 0.1788, 0.3109



25.1606, 0.3302, 0.2320



25.1606, 0.4657, 0.3186

Sweetspot

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



25.1616, 0.2771, 0.4649



54.0021, 0.2985, 0.3632



27.6095, 0.3590, 0.5098



11.7422, 0.2968, 0.3678



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.1616, 0.2771, 0.4649



44.4980, 0.2771, 0.4997



26.4018, 0.2420, 0.3530



7.4426, 0.3065, 0.3428



19.8786, 0.2804, 0.5296



0.3635, 0.2586, 0.4510

Inverse Universe

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



10.3778, 0.3960, 0.2315



15.8159, 0.4235, 0.2234



9.5177, 0.5116, 0.3121



6.7098, 0.3195, 0.3156



6.4933, 0.4499, 0.2252



0.1243, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 25.1606, 0.2771, 0.4649 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 25.1606, 0.2771, 0.4649 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 25.1606, 0.2771, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 25.1606, 0.2771, 0.4649.



This preview shows how white text looks on a background with the Yxy color 25.1606, 0.2771, 0.4649.

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

25.1606, 0.2771, 0.4649

Protanopia

24.6224, 0.3850, 0.4165

Deuteranopia

24.7770, 0.3890, 0.3829



Tritanopia

25.0956, 0.2398, 0.3069

Trichromacy



Original Color

25.1606, 0.2771, 0.4649



Protanomaly

23.7616, 0.3344, 0.4370



Deuteranomaly

23.6473, 0.3370, 0.4123



Tritanomaly

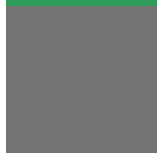
24.9392, 0.2526, 0.3602

Monochromacy



Original Color

25.1606, 0.2771, 0.4649



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.5183, 0.2930, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1606, 0.2771, 0.4649 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(48, 156, 91)` looks like.

```
.text, #text, p{  
    color:rgb(48, 156, 91)  
}
```

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(48, 156, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 156, 91) }
```

Border

The CSS property to change the border of an element to Yxy 25.1606, 0.2771, 0.4649 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(48, 156, 91) }
```

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

```
.border{ border-color:rgb(48, 156, 91) }
```

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

Here you see how a box with a 4 pixel rgb(48, 156, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 156, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 156, 91);  
box-shadow:4px 4px 4px 4px rgb(48, 156,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1606, 0.2771, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 156, 91) }
```

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

```
.background{ background-color: rgb(48, 156,  
91) }
```

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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