

Converting Colors

$Y_{xy}(24.8210, 0.2886, 0.5256)$

Have a look what the booklet for
Yxy(24.8210, 0.2886, 0.5256)
contains.

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Color

Yxy(24.8129, 0.2884, 0.5257)

Conversions

Conversions Part 1

Format	Color
Hex	229D3F
RGB	34, 157, 63
RGB Percent	13%, 62%, 25%
CMY	0.8669, 0.3843, 0.7529
CMYK	0.78, 0.00, 0.60, 0.38
HSL	134°, 64%, 37%
HSV	134°, 78%, 62%
XYZ	13.6124, 24.8129, 8.7744
YIQ	109.5070, -43.1340, -55.3100

Conversions

Conversions Part 2

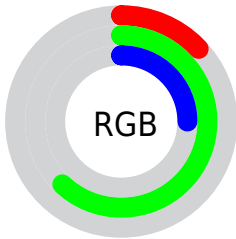
Format	Color
RYB	34, 134, 157
Decimal	2268479
CIELab	56.89, -52.59, 39.29
CIELCh	57, 65.649, 143.239
Yxy	24.8129, 0.2884, 0.5257
Android (android.graphics.Color)	4280458559 (0xFF229D3F)
YUV	109.5070, -22.9280, -66.2196
Hunter-Lab	49.8125, -38.3928, 24.4249

Details

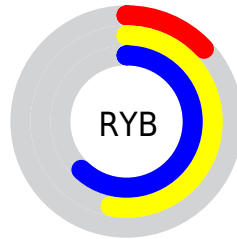
The Yxy color **24.8129, 0.2884, 0.5257** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **9.8666, 0.3705, 0.1990**, and the grayscale version is **15.5162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5127, 0.2977, 0.4780**, and **9.9225, 0.2968, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **24.4859, 0.2896, 0.5493**, and if you desaturate by 10%, it is **25.2929, 0.2886, 0.4990**.

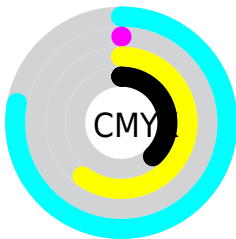
Distribution



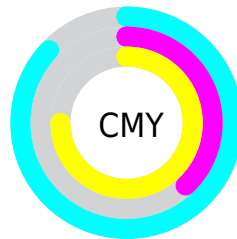
- Red (13%)
- Green (62%)
- Blue (25%)



- Red (13%)
- Yellow (53%)
- Blue (62%)



- Cyan (78%)
- Magenta (0%)
- Yellow (60%)
- Black (38%)




- Cyan (87%)
- Magenta (38%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8129, 0.2884, 0.5257 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 24.8129, 0.2884, 0.5257 by changing the saturation by 10% instead.


 24.8129, 0.2884,
0.5257


 24.8129, 0.2884,
0.5257


276.9049, 0.3077,
0.4089


 15.9377, 0.2796,
0.5618


 51.3535, 0.2979,
0.4782


 9.4801, 0.2649,
0.6122


 69.7878, 0.3007,
0.4620


 5.0556, 0.2408,
0.6915

 92.1771, 0.3027,
0.4488

 2.2799, 0.1780,
0.8220

 118.9060, 0.3042,
0.4380

 0.7631, 0.0000,
1.0000

 150.3589, 0.3054,
0.4290

 0.0000, 0.0000,
0.0000

 186.9200, 0.3063,

0.4213

228.9739, 0.3071,
0.4147

■ 24.8129, 0.2884,
0.5257

■ 24.8129, 0.2884,
0.5257

■ 24.4859, 0.2896,
0.5493

■ 25.2929, 0.2886,
0.4990

■ 24.2789, 0.2918,
0.5688

■ 25.9394, 0.2900,
0.4708

■ 24.2500, 0.2921,
0.5716

■ 26.7677, 0.2926,
0.4424

■ 27.7904, 0.2961,
0.4150

■ 29.0192, 0.3001,
0.3893

■ 30.4646, 0.3045,
0.3659

■ 32.1365, 0.3090,
0.3448

■ 34.0443, 0.3134,
0.3261

■ 36.1966, 0.3178,
0.3097

Harmonies

Analogous

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



24.8129, 0.3890, 0.5298



24.8129, 0.2884, 0.5257



24.8129, 0.1994, 0.4214

Triad

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



24.8129, 0.2884, 0.5257



24.8129, 0.1548, 0.1756



24.8129, 0.5103, 0.3170

Complementary

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



24.8129, 0.2884, 0.5257



9.8666, 0.3705, 0.1990

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.



24.8129, 0.4209, 0.2515



24.8129, 0.2884, 0.5257



24.8129, 0.2102, 0.1744

Square

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



24.8129, 0.2884, 0.5257



24.8129, 0.1342, 0.2108



24.8129, 0.3040, 0.2010



24.8129, 0.5271, 0.3895

Rectangle

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



24.8129, 0.2884, 0.5257



24.8129, 0.1597, 0.3324



24.8129, 0.3040, 0.2010



24.8129, 0.4873, 0.2942

Sweetspot

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



24.8139, 0.2884, 0.5257



52.9335, 0.3018, 0.3798



28.8429, 0.3796, 0.5142



11.4671, 0.3004, 0.3878



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.



24.8139, 0.2884, 0.5257



43.5663, 0.2913, 0.5641



25.9150, 0.2497, 0.3953



7.4255, 0.3086, 0.3465



19.6988, 0.2918, 0.5703



0.3581, 0.2723, 0.5004

Inverse Universe

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



9.8666, 0.3705, 0.1990



15.5996, 0.3865, 0.1928



8.7118, 0.5104, 0.2872



6.7278, 0.3171, 0.3121



6.9277, 0.3897, 0.1920



0.1299, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 24.8129, 0.2884, 0.5257 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 24.8129, 0.2884, 0.5257 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 24.8129, 0.2884, 0.5257

Background



This preview shows how black text looks on a background with the Yxy color 24.8129, 0.2884, 0.5257.



This preview shows how white text looks on a background with the Yxy color 24.8129, 0.2884, 0.5257.

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

24.8129, 0.2884, 0.5257

Protanopia

24.4830, 0.4115, 0.4516

Deuteranopia

24.2624, 0.4238, 0.4160



Tritanopia

24.6358, 0.2383, 0.3067

Trichromacy



Original Color

24.8129, 0.2884, 0.5257



Protanomaly

23.4504, 0.3518, 0.4868



Deuteranomaly

22.7341, 0.3592, 0.4602



Tritanomaly

24.4292, 0.2565, 0.3836

Monochromacy



Original Color

24.8129, 0.2884, 0.5257



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.4883, 0.2981, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8129, 0.2884, 0.5257 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(34, 157, 63)` looks like.

```
.text, #text, p{  
    color:rgb(34, 157, 63)  
}
```

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(34, 157, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 157, 63) }
```

Border

The CSS property to change the border of an element to Yxy 24.8129, 0.2884, 0.5257 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(34, 157, 63) }
```

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

```
.border{ border-color:rgb(34, 157, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 157, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 157, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 157, 63);  
box-shadow:4px 4px 4px 4px rgb(34, 157,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8129, 0.2884, 0.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 157, 63) }
```

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

```
.background{ background-color: rgb(34, 157,  
63) }
```

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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