

Converting Colors

$Yxy(24.9031, 0.2755, 0.4931)$

Have a look what the booklet for
Yxy(24.9031, 0.2755, 0.4931)
contains.

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Color

Yxy(24.8998, 0.2755, 0.4934)

Conversions

Conversions Part 1

Format	Color
Hex	199D50
RGB	25, 157, 80
RGB Percent	10%, 62%, 31%
CMY	0.9025, 0.3843, 0.6863
CMYK	0.84, 0.00, 0.49, 0.38
HSL	145°, 73%, 36%
HSV	145°, 84%, 62%
XYZ	13.9033, 24.8998, 11.6626
YIQ	108.7540, -53.9550, -51.9310

Conversions

Conversions Part 2

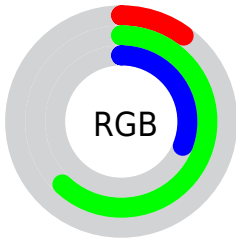
Format	Color
R_{YB}	25, 118, 157
Decimal	1678672
CIE _{Lab}	56.98, -51.11, 30.84
CIE _{LCh}	57, 59.694, 148.892
Yxy	24.8998, 0.2755, 0.4934
Android (android.graphics.Color)	4279868752 (0xFF199D50)
YUV	108.7540, -14.1757, -73.4523
Hunter-Lab	49.8997, -37.5899, 21.0724

Details

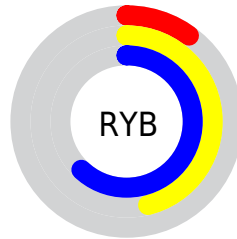
The Yxy color **24.8998, 0.2755, 0.4934** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.8152, 0.4287, 0.2271**, and the grayscale version is **15.2612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6601, 0.2861, 0.4532**, and **10.0049, 0.2857, 0.5485** is the 20% darker color. If you saturate the color by 10%, you get **24.6288, 0.2776, 0.5139**, and if you desaturate by 10%, it is **25.3030, 0.2752, 0.4716**.

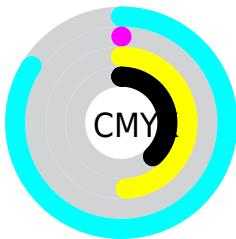
Distribution



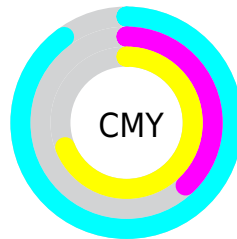
- Red (10%)
- Green (62%)
- Blue (31%)



- Red (10%)
- Yellow (46%)
- Blue (62%)



- Cyan (84%)
- Magenta (0%)
- Yellow (49%)
- Black (38%)





- Cyan (90%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8998, 0.2755, 0.4934 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 24.8998, 0.2755, 0.4934 by changing the saturation by 10% instead.


 24.8998, 0.2755,
0.4934


 24.8998, 0.2755,
0.4934


277.3386, 0.3000,
0.3959


 16.0024, 0.2664,
0.5241


 51.4946, 0.2863,
0.4536


 9.5259, 0.2524,
0.5679


 69.9609, 0.2897,
0.4400

 5.0857, 0.2288,
0.6339

 92.3855, 0.2924,
0.4291

 2.2977, 0.1899,
0.8101

 119.1529, 0.2945,
0.4201

 0.7725, 0.0000,
1.0000

 150.6476, 0.2963,
0.4125

 0.0000, 0.0000,
0.0000

 187.2538, 0.2977,

0.4061

229.3560, 0.2989,
0.4007

■ 24.8998, 0.2755,
0.4934

■ 24.8998, 0.2755,
0.4934

■ 24.6288, 0.2776,
0.5139

■ 25.3030, 0.2752,
0.4716

■ 24.5042, 0.2792,
0.5252

■ 25.8526, 0.2767,
0.4492

■ 26.5642, 0.2798,
0.4270

■ 27.4502, 0.2843,
0.4056

■ 28.5220, 0.2898,
0.3855

■ 29.7900, 0.2961,
0.3669

■ 31.2637, 0.3028,
0.3500

■ 32.9520, 0.3098,
0.3348

■ 34.8634, 0.3168,
0.3213

Harmonies

Analogous

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



24.8998, 0.3691, 0.5182



24.8998, 0.2755, 0.4934



24.8998, 0.1971, 0.3899

Triad

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



24.8998, 0.2755, 0.4934



24.8998, 0.1731, 0.1842



24.8998, 0.5015, 0.3327

Complementary

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



24.8998, 0.2755, 0.4934



8.8152, 0.4287, 0.2271

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.



24.8998, 0.4303, 0.2688



24.8998, 0.2755, 0.4934



24.8998, 0.2323, 0.1878

Square

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



24.8998, 0.2755, 0.4934



24.8998, 0.1476, 0.2116



24.8998, 0.3250, 0.2176



24.8998, 0.5061, 0.4022

Rectangle

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



24.8998, 0.2755, 0.4934



24.8998, 0.1642, 0.3128



24.8998, 0.3250, 0.2176



24.8998, 0.4844, 0.3106

Sweetspot

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



24.9008, 0.2755, 0.4934



53.0249, 0.2952, 0.3692



27.0080, 0.3548, 0.5412



11.5002, 0.2931, 0.3752



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.



24.9008, 0.2755, 0.4934



43.8435, 0.2802, 0.5286



26.3968, 0.2340, 0.3501



7.4447, 0.3062, 0.3423



19.9068, 0.2788, 0.5238



0.3642, 0.2572, 0.4459

Inverse Universe

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



8.8152, 0.4287, 0.2271



14.1664, 0.4623, 0.2320



7.9851, 0.5830, 0.3196



6.7077, 0.3198, 0.3160



6.4497, 0.4576, 0.2295



0.1236, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 24.8998, 0.2755, 0.4934 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 24.8998, 0.2755, 0.4934 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 24.8998, 0.2755, 0.4934

Background



This preview shows how black text looks on a background with the Yxy color 24.8998, 0.2755, 0.4934.



This preview shows how white text looks on a background with the Yxy color 24.8998, 0.2755, 0.4934.

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

24.8998, 0.2755, 0.4934

Protanopia

24.5734, 0.3961, 0.4310

Deuteranopia

24.5459, 0.4035, 0.3959



Tritanopia

24.8079, 0.2355, 0.3067

Trichromacy



Original Color

24.8998, 0.2755, 0.4934



Protanomaly

23.4114, 0.3340, 0.4603



Deuteranomaly

22.9070, 0.3384, 0.4358



Tritanomaly

24.4500, 0.2487, 0.3690

Monochromacy



Original Color

24.8998, 0.2755, 0.4934



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.4233, 0.2880, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8998, 0.2755, 0.4934 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(25, 157, 80)` looks like.

```
.text, #text, p{  
    color:rgb(25, 157, 80)  
}
```

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(25, 157, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 157, 80) }
```

Border

The CSS property to change the border of an element to Yxy 24.8998, 0.2755, 0.4934 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(25, 157, 80) }
```

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

```
.border{ border-color:rgb(25, 157, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 157, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 157, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 157, 80);  
box-shadow:4px 4px 4px 4px rgb(25, 157,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8998, 0.2755, 0.4934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 157, 80) }
```

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

```
.background{ background-color: rgb(25, 157,  
80) }
```

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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