

Converting Colors

$Yxy(24.1793, 0.2682, 0.4606)$

Have a look what the booklet for
Yxy(24.1793, 0.2682, 0.4606)
contains.

Yxy(24.1928, 0.2681, 0.4602)	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(24.1928, 0.2681, 0.4602)

Conversions

Conversions Part 1

Format	Color
Hex	1F9A5D
RGB	31, 154, 93
RGB Percent	12%, 60%, 36%
CMY	0.8789, 0.3960, 0.6353
CMYK	0.80, 0.00, 0.40, 0.40
HSL	150°, 67%, 36%
HSV	150°, 80%, 60%
XYZ	14.0941, 24.1928, 14.2833
YIQ	110.2690, -53.7270, -45.0470

Conversions

Conversions Part 2

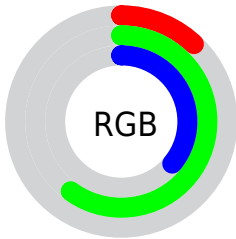
Format	Color
R _Y B	31, 113, 154
Decimal	2071133
CIE Lab	56.28, -46.90, 23.00
CIE LCh	56, 52.240, 153.879
Yxy	24.1928, 0.2681, 0.4602
Android (android.graphics.Color)	4280261213 (0xFF1F9A5D)
YUV	110.2690, -8.5136, -69.5189
Hunter-Lab	49.1862, -34.9275, 17.2129

Details

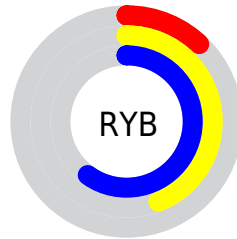
The Yxy color **24.1928, 0.2681, 0.4602** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6161, 0.4460, 0.2441**, and the grayscale version is **15.7024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1559, 0.2794, 0.4277**, and **9.7000, 0.2742, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **23.8813, 0.2690, 0.4788**, and if you desaturate by 10%, it is **24.6339, 0.2691, 0.4411**.

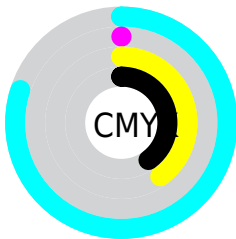
Distribution



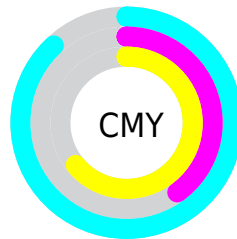
- Red (12%)
- Green (60%)
- Blue (36%)



- Red (12%)
- Yellow (44%)
- Blue (60%)



- Cyan (80%)
- Magenta (0%)
- Yellow (40%)
- Black (40%)





- Cyan (88%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1928, 0.2681, 0.4602 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 24.1928, 0.2681, 0.4602 by changing the saturation by 10% instead.


 24.1928, 0.2681,
0.4602

 24.1928, 0.2681,
0.4602


273.7938, 0.2953,
0.3826


 15.4767, 0.2590,
0.4848


 50.3446, 0.2795,
0.4285


 9.1546, 0.2456,
0.5203


 68.5492, 0.2833,
0.4177


 4.8422, 0.2239,
0.5752

 90.6853, 0.2863,
0.4090

 2.1550, 0.1846,
0.7002

 117.1374, 0.2888,
0.4018

 0.6953, 0.0000,
1.0000

 148.2899, 0.2908,
0.3959

 0.0000, 0.0000,
0.0000

 184.5272, 0.2925,

0.3908

226.2337, 0.2940,
0.3864

■ 24.1928, 0.2681,
0.4602

■ 24.1928, 0.2681,
0.4602

■ 23.8813, 0.2690,
0.4788

■ 24.6339, 0.2691,
0.4411

■ 23.6607, 0.2713,
0.4968

■ 25.2164, 0.2720,
0.4221

■ 23.6595, 0.2714,
0.4969

■ 25.9541, 0.2764,
0.4037

■ 26.8580, 0.2822,
0.3862

■ 27.9384, 0.2890,
0.3698

■ 29.2046, 0.2966,
0.3548

■ 30.6652, 0.3046,
0.3412

■ 32.3283, 0.3128,
0.3289

■ 34.2016, 0.3210,
0.3180

Harmonies

Analogous

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



24.1928, 0.3523, 0.4976



24.1928, 0.2681, 0.4602



24.1928, 0.2008, 0.3659

Triad

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



24.1928, 0.2681, 0.4602



24.1928, 0.1932, 0.1965



24.1928, 0.4854, 0.3454

Complementary

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



24.1928, 0.2681, 0.4602



8.6161, 0.4460, 0.2441

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.



24.1928, 0.4306, 0.2849



24.1928, 0.2681, 0.4602



24.1928, 0.2531, 0.2037

Square

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



24.1928, 0.2681, 0.4602



24.1928, 0.1644, 0.2177



24.1928, 0.3400, 0.2349



24.1928, 0.4821, 0.4097

Rectangle

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



24.1928, 0.2681, 0.4602



24.1928, 0.1738, 0.3013



24.1928, 0.3400, 0.2349



24.1928, 0.4732, 0.3245

Sweetspot

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



24.1938, 0.2681, 0.4602



51.9597, 0.2931, 0.3614



25.5107, 0.3450, 0.5413



11.5904, 0.2906, 0.3665



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.



24.1938, 0.2681, 0.4602



43.0682, 0.2711, 0.4931



25.7367, 0.2293, 0.3288



6.9750, 0.3052, 0.3402



19.2811, 0.2710, 0.4955



0.2956, 0.2500, 0.4198

Inverse Universe

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



8.6161, 0.4460, 0.2441



13.6520, 0.4895, 0.2494



7.9435, 0.5838, 0.3298



6.2712, 0.3210, 0.3180



6.0330, 0.4932, 0.2490



0.0975, 0.4066, 0.2014

Previews

White Background



This preview shows how the Yxy color 24.1928, 0.2681, 0.4602 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 24.1928, 0.2681, 0.4602 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 24.1928, 0.2681, 0.4602

Background



This preview shows how black text looks on a background with the Yxy color 24.1928, 0.2681, 0.4602.



This preview shows how white text looks on a background with the Yxy color 24.1928, 0.2681, 0.4602.

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

24.1928, 0.2681, 0.4602

Protanopia

23.8171, 0.3805, 0.4116

Deuteranopia

23.6083, 0.3835, 0.3761



Tritanopia

24.0505, 0.2348, 0.3064

Trichromacy



Original Color

24.1928, 0.2681, 0.4602



Protanomaly

22.6974, 0.3243, 0.4331



Deuteranomaly

22.1991, 0.3255, 0.4063



Tritanomaly

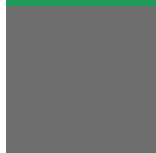
23.9199, 0.2463, 0.3589

Monochromacy



Original Color

24.1928, 0.2681, 0.4602



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.6705, 0.2852, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1928, 0.2681, 0.4602 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(31, 154, 93)` looks like.

```
.text, #text, p{  
    color:rgb(31, 154, 93)  
}
```

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(31, 154, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 154, 93) }
```

Border

The CSS property to change the border of an element to Yxy 24.1928, 0.2681, 0.4602 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(31, 154, 93) }
```

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

```
.border{ border-color:rgb(31, 154, 93) }
```

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

Here you see how a box with a 4 pixel rgb(31, 154, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 154, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 154, 93);  
box-shadow:4px 4px 4px 4px rgb(31, 154,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1928, 0.2681, 0.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 154, 93) }
```

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

```
.background{ background-color: rgb(31, 154,  
93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor