

Converting Colors

$Y_{xy}(24.2944, 0.3019, 0.5985)$

Have a look what the booklet for
Yxy(24.2944, 0.3019, 0.5985)
contains.

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Color

Yxy(24.1921, 0.3020, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	0C9D00
RGB	12, 157, 0
RGB Percent	5%, 62%, 0%
CMY	0.9527, 0.3843, 0.9999
CMYK	0.92, 0.00, 1.00, 0.38
HSL	115°, 100%, 31%
HSV	115°, 100%, 62%
XYZ	12.2092, 24.1921, 4.0266
YIQ	95.7470, -36.0230, -79.5670

Conversions

Conversions Part 2

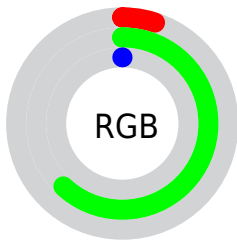
Format	Color
RYB	0, 157, 145
Decimal	826624
CIELab	56.28, -59.27, 57.99
CIElCh	56, 82.916, 135.626
Yxy	24.1921, 0.3020, 0.5984
Android (android.graphics.Color)	4279016704 (0xFF0C9D00)
YUV	95.7470, -47.2033, -73.4461
Hunter-Lab	49.1855, -41.7657, 29.5760

Details

The Yxy color **24.1921, 0.3020, 0.5984** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.4530, 0.3020, 0.1437**, and the grayscale version is **11.7612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4231, 0.3140, 0.5358**, and **9.9006, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.1928, 0.3020, 0.5984**, and if you desaturate by 10%, it is **24.3781, 0.3034, 0.5876**.

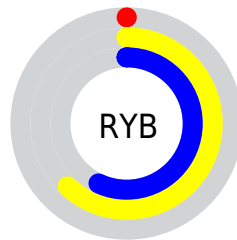
Distribution



Red (5%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (57%)

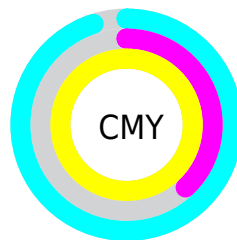


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (95%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1921, 0.3020, 0.5984 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 24.1921, 0.3020, 0.5984 by changing the saturation by 10% instead.


 24.1921, 0.3020,
0.5984


 24.1921, 0.3020,
0.5984


273.7902, 0.3209,
0.4403


 15.4762, 0.2891,
0.6428


 50.3435, 0.3140,
0.5361


 9.1543, 0.2688,
0.7065


 68.5478, 0.3168,
0.5140

 4.8419, 0.2260,
0.7740

 90.6836, 0.3185,
0.4959

 2.1548, 0.1099,
0.8901

 117.1354, 0.3196,
0.4809

 0.6952, 0.0000,
1.0000


 148.2876, 0.3202,
0.4683


 0.0000, 0.0000,
0.0000


 184.5245, 0.3206,


0.4576


 226.2306, 0.3208,
0.4483

 24.1921, 0.3020,
0.5984


 24.1921, 0.3020,
0.5984


 24.1928, 0.3020,
0.5984

 24.3781, 0.3034,
0.5876

 24.6882, 0.3054,
0.5700

 25.1486, 0.3073,
0.5451

 25.7753, 0.3090,
0.5146

 26.5822, 0.3104,
0.4809

■ 27.5818, 0.3114,
0.4465

■ 28.7854, 0.3121,
0.4131

■ 30.2035, 0.3125,
0.3821

■ 31.8457, 0.3127,
0.3539

Harmonies

Analogous

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



24.1921, 0.4199, 0.5522



24.1921, 0.3020, 0.5984



24.1921, 0.1922, 0.4945

Triad

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



24.1921, 0.3020, 0.5984



24.1921, 0.1170, 0.1511



24.1921, 0.5405, 0.2868

Complementary

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



24.1921, 0.3020, 0.5984



8.4530, 0.3020, 0.1437

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.



24.1921, 0.4099, 0.2167



24.1921, 0.3020, 0.5984



24.1921, 0.1676, 0.1433

Square

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



24.1921, 0.3020, 0.5984



24.1921, 0.1023, 0.1996



24.1921, 0.2659, 0.1659



24.1921, 0.5782, 0.3645

Rectangle

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



24.1921, 0.3020, 0.5984



24.1921, 0.1402, 0.3712



24.1921, 0.2659, 0.1659



24.1921, 0.5045, 0.2623

Sweetspot

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



24.1931, 0.3020, 0.5984



51.4110, 0.3121, 0.4151



27.0909, 0.4345, 0.4932



11.1199, 0.3118, 0.4279



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.



24.1931, 0.3020, 0.5984



43.2926, 0.3015, 0.5988



24.5014, 0.2793, 0.5254



7.4241, 0.3127, 0.3520



19.6556, 0.3022, 0.5982



0.3577, 0.3128, 0.5898

Inverse Universe

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



8.4530, 0.3020, 0.1437



15.0989, 0.3016, 0.1435



7.9347, 0.4587, 0.2301



6.7287, 0.3126, 0.3069



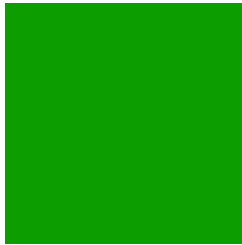
6.8716, 0.3021, 0.1438



0.1297, 0.3102, 0.1482

Previews

White Background



This preview shows how the Yxy color 24.1921, 0.3020, 0.5984 looks on a white background.

Color Contrast Check

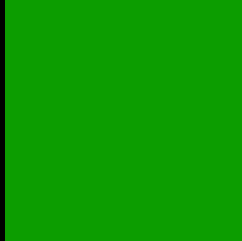
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1921, 0.3020, 0.5984 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 24.1921, 0.3020, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 24.1921, 0.3020, 0.5984.



This preview shows how white text looks on a background with the Yxy color 24.1921, 0.3020, 0.5984.

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

24.1921, 0.3020, 0.5984

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.7293, 0.4592, 0.4495



Tritanopia

24.2197, 0.2375, 0.3065

Trichromacy



Original Color

24.1921, 0.3020, 0.5984



Protanomaly

22.0553, 0.3690, 0.5452



Deuteranomaly

21.6796, 0.3817, 0.5199



Tritanomaly

23.3566, 0.2680, 0.4338

Monochromacy



Original Color

24.1921, 0.3020, 0.5984



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

14.4176, 0.3103, 0.4709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1921, 0.3020, 0.5984 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(12, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 157, 0)  
}
```

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(12, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1921, 0.3020, 0.5984 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(12, 157, 0) }
```

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

```
.border{ border-color:rgb(12, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 157, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1921, 0.3020, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 157, 0) }
```

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

```
.background{ background-color: rgb(12, 157,  
0) }
```

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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