

Converting Colors

$Yxy(19.3613, 0.3024, 0.5981)$

Have a look what the booklet for
Yxy(19.3613, 0.3024, 0.5981)
contains.

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Color

Yxy(19.4242, 0.3025, 0.5980)

Conversions

Conversions Part 1

Format	Color
Hex	0C8E00
RGB	12, 142, 0
RGB Percent	5%, 56%, 0%
CMY	0.9525, 0.4431, 0.9999
CMYK	0.91, 0.00, 1.00, 0.44
HSL	115°, 100%, 28%
HSV	115°, 100%, 56%
XYZ	9.8258, 19.4242, 3.2320
YIQ	86.9420, -31.8980, -71.7220

Conversions

Conversions Part 2

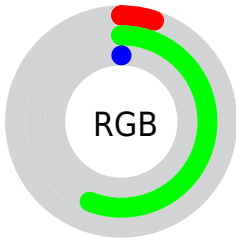
Format	Color
RYB	0, 142, 130
Decimal	822784
CIELab	51.18, -54.90, 53.90
CIELCh	51, 76.941, 135.528
Yxy	19.4242, 0.3025, 0.5980
Android (android.graphics.Color)	4279012864 (0xFF0C8E00)
YUV	86.9420, -42.8624, -65.7241
Hunter-Lab	44.0729, -37.3321, 26.5032

Details

The Yxy color **19.4242, 0.3025, 0.5980** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.6939, 0.3001, 0.1427**, and the grayscale version is **9.6248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4616, 0.3147, 0.5325**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4247, 0.3025, 0.5980**, and if you desaturate by 10%, it is **19.5863, 0.3040, 0.5862**.

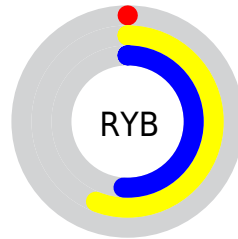
Distribution



Red (5%)

Green (56%)

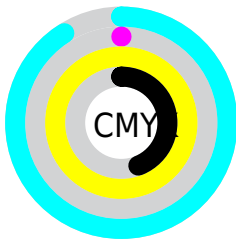
Blue (0%)



Red (0%)

Yellow (56%)

Blue (51%)

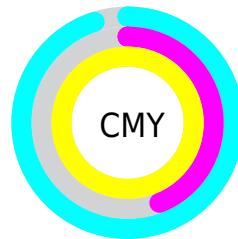


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (95%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4242, 0.3025, 0.5980 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 19.4242, 0.3025, 0.5980 by changing the saturation by 10% instead.


 19.4242, 0.3025,
0.5980


 19.4242, 0.3025,
0.5980


248.7807, 0.3211,
0.4353


 11.9772, 0.2883,
0.6461


 42.4497, 0.3149,
0.5322


 6.7282, 0.2700,
0.7300


 58.7969, 0.3176,
0.5093

 3.2927, 0.2126,
0.7874

 78.8797, 0.3192,
0.4909

 1.2864, 0.0000,
1.0000

 103.0825, 0.3201,
0.4757

 0.1306, 0.0000,
1.0000

 131.7895, 0.3207,
0.4630


 0.0000, 0.0000,
0.0000


 165.3853, 0.3210,


0.4523

 204.2543, 0.3211,
0.4432


 19.4242, 0.3025,
0.5980


 19.4242, 0.3025,
0.5980


 19.4247, 0.3025,
0.5980

 19.5863, 0.3040,
0.5862

 19.8457, 0.3061,
0.5682

 20.2236, 0.3080,
0.5430

 20.7322, 0.3097,
0.5126

 21.3819, 0.3110,
0.4792

■ 22.1821, 0.3119,
0.4451

■ 23.1417, 0.3125,
0.4122

■ 24.2685, 0.3128,
0.3815

■ 25.5700, 0.3128,
0.3537

Harmonies

Analogous

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



19.4242, 0.4203, 0.5517



19.4242, 0.3025, 0.5980



19.4242, 0.1927, 0.4948

Triad

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



19.4242, 0.3025, 0.5980



19.4242, 0.1171, 0.1514



19.4242, 0.5399, 0.2867

Complementary

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



19.4242, 0.3025, 0.5980



6.6939, 0.3001, 0.1427

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.



19.4242, 0.4093, 0.2167



19.4242, 0.3025, 0.5980



19.4242, 0.1676, 0.1434

Square

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



19.4242, 0.3025, 0.5980



19.4242, 0.1025, 0.2000



19.4242, 0.2655, 0.1659



19.4242, 0.5779, 0.3643

Rectangle

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



19.4242, 0.3025, 0.5980



19.4242, 0.1406, 0.3718



19.4242, 0.2655, 0.1659



19.4242, 0.5038, 0.2622

Sweetspot

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



19.4250, 0.3025, 0.5980



40.6904, 0.3125, 0.4143



21.1379, 0.4376, 0.4907



8.9429, 0.3123, 0.4263



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.4250, 0.3025, 0.5980



34.2218, 0.3019, 0.5985



19.6398, 0.2802, 0.5289



6.0499, 0.3128, 0.3516



17.4444, 0.3026, 0.5979



0.1703, 0.3149, 0.5881

Inverse Universe

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



6.6939, 0.3001, 0.1427



11.7676, 0.2996, 0.1424



6.4107, 0.4506, 0.2256



5.4880, 0.3125, 0.3072



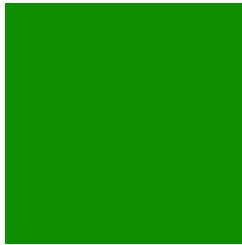
6.0132, 0.3002, 0.1427



0.0619, 0.3112, 0.1488

Previews

White Background



This preview shows how the Yxy color 19.4242, 0.3025, 0.5980 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 19.4242, 0.3025, 0.5980 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 19.4242, 0.3025, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 19.4242, 0.3025, 0.5980.



This preview shows how white text looks on a background with the Yxy color 19.4242, 0.3025, 0.5980.

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

19.4242, 0.3025, 0.5980

Protanopia

19.2374, 0.4394, 0.4893

Deuteranopia

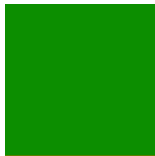
19.1327, 0.4580, 0.4490



Tritanopia

19.4464, 0.2375, 0.3064

Trichromacy



Original Color

19.4242, 0.3025, 0.5980



Protanomaly

17.9758, 0.3709, 0.5437



Deuteranomaly

17.5425, 0.3823, 0.5183



Tritanomaly

18.8772, 0.2688, 0.4340

Monochromacy



Original Color

19.4242, 0.3025, 0.5980



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.7519, 0.3120, 0.4694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4242, 0.3025, 0.5980 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 142, 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, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.4242, 0.3025, 0.5980 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, 142, 0) }
```

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

```
.border{ border-color:rgb(12, 142, 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, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 142, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4242, 0.3025, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 142, 0) }
```

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

```
.background{ background-color: rgb(12, 142,  
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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