

Converting Colors

$Y_{xy}(21.6308, 0.3005, 0.5894)$

Have a look what the booklet for
Yxy(21.6308, 0.3005, 0.5894)
contains.

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Color

Yxy(21.6309, 0.3005, 0.5893)

Conversions

Conversions Part 1

Format	Color
Hex	0F950F
RGB	15, 149, 15
RGB Percent	6%, 58%, 6%
CMY	0.9413, 0.4157, 0.9412
CMYK	0.90, 0.00, 0.90, 0.42
HSL	120°, 82%, 32%
HSV	120°, 90%, 58%
XYZ	11.0302, 21.6309, 4.0450
YIQ	93.6580, -36.8500, -70.0820

Conversions

Conversions Part 2

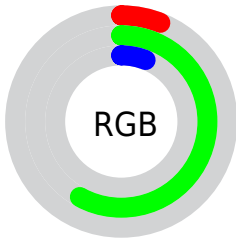
Format	Color
R _Y B	15, 149, 149
Decimal	1021199
CIE Lab	53.63, -56.26, 53.32
CIE LCh	54, 77.513, 136.534
Yxy	21.6309, 0.3005, 0.5893
Android (android.graphics.Color)	4279211279 (0xFF0F950F)
YUV	93.6580, -38.7784, -68.9831
Hunter-Lab	46.5090, -39.0574, 27.3997

Details

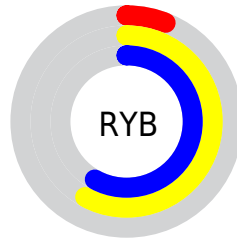
The Yxy color **21.6309, 0.3005, 0.5893** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.9002, 0.3207, 0.1587**, and the grayscale version is **11.2062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9690, 0.3123, 0.5263**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4967, 0.3000, 0.5999**, and if you desaturate by 10%, it is **21.8633, 0.3013, 0.5722**.

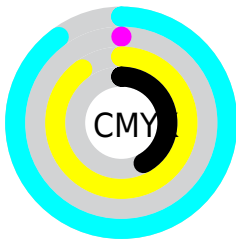
Distribution



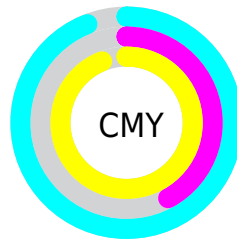
- Red (6%)
- Green (58%)
- Blue (6%)



- Red (6%)
- Yellow (58%)
- Blue (58%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (42%)




- Cyan (94%)
- Magenta (42%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6309, 0.3005, 0.5893 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 21.6309, 0.3005, 0.5893 by changing the saturation by 10% instead.


 21.6309, 0.3005,
0.5893


 21.6309, 0.3005,
0.5893


260.6126, 0.3190,
0.4335


 13.5859, 0.2877,
0.6351


 46.1352, 0.3122,
0.5267

 7.8333, 0.2676,
0.7031


 63.3633, 0.3149,
0.5049

 3.9884, 0.2228,
0.7772

 84.4213, 0.3166,
0.4872

 1.6671, 0.0354,
0.9646

 109.6935, 0.3176,
0.4726


 0.4022, 0.0000,
1.0000


 139.5643, 0.3183,
0.4604


 0.0000, 0.0000,
0.0000


 174.4182, 0.3187,

0.4501


 214.6395, 0.3189,
0.4412


 21.6309, 0.3005,
0.5893


 21.6309, 0.3005,
0.5893

 21.4967, 0.3000,
0.5999


 21.8633, 0.3013,
0.5722

 21.4961, 0.3000,
0.6000

 22.2366, 0.3025,
0.5473

 22.7694, 0.3039,
0.5164

 23.4770, 0.3055,
0.4823

 24.3727, 0.3072,
0.4473

■ 25.4686, 0.3087,
0.4135

■ 26.7759, 0.3102,
0.3821

■ 28.3048, 0.3115,
0.3538

■ 30.0648, 0.3127,
0.3289

Harmonies

Analogous

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



21.6309, 0.4162, 0.5506



21.6309, 0.3005, 0.5893



21.6309, 0.1931, 0.4838

Triad

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



21.6309, 0.3005, 0.5893



21.6309, 0.1217, 0.1542



21.6309, 0.5369, 0.2909

Complementary

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



21.6309, 0.3005, 0.5893



8.9002, 0.3207, 0.1587

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.



21.6309, 0.4119, 0.2213



21.6309, 0.3005, 0.5893



21.6309, 0.1730, 0.1471

Square

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



21.6309, 0.3005, 0.5893



21.6309, 0.1062, 0.2009



21.6309, 0.2711, 0.1703



21.6309, 0.5716, 0.3682

Rectangle

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



21.6309, 0.3005, 0.5893



21.6309, 0.1427, 0.3653



21.6309, 0.2711, 0.1703



21.6309, 0.5026, 0.2665

Sweetspot

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



21.6318, 0.3005, 0.5893



46.1364, 0.3091, 0.4057



27.9203, 0.4166, 0.5007



10.0775, 0.3086, 0.4155



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.6318, 0.3005, 0.5893



38.4947, 0.3000, 0.6000



22.2063, 0.2694, 0.4798



6.4684, 0.3116, 0.3518



18.0910, 0.3000, 0.6000



0.2214, 0.3000, 0.5999

Inverse Universe

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



8.9002, 0.3207, 0.1587



15.3278, 0.3210, 0.1542



7.3397, 0.4683, 0.2440



5.9092, 0.3137, 0.3072



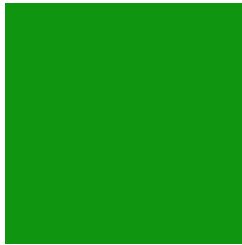
7.2035, 0.3210, 0.1542



0.0882, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 21.6309, 0.3005, 0.5893 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 21.6309, 0.3005, 0.5893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

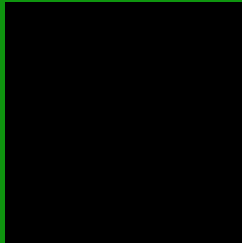
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6309, 0.3005, 0.5893

Background



This preview shows how black text looks on a background with the Yxy color 21.6309, 0.3005, 0.5893.



This preview shows how white text looks on a background with the Yxy color 21.6309, 0.3005, 0.5893.

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

21.6309, 0.3005, 0.5893

Protanopia

21.3676, 0.4398, 0.4890

Deuteranopia

21.2697, 0.4559, 0.4481



Tritanopia

21.7572, 0.2381, 0.3074

Trichromacy



Original Color

21.6309, 0.3005, 0.5893



Protanomaly

20.1607, 0.3696, 0.5415



Deuteranomaly

19.4422, 0.3794, 0.5127



Tritanomaly

21.1653, 0.2651, 0.4220

Monochromacy



Original Color

21.6309, 0.3005, 0.5893



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.5401, 0.3069, 0.4540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6309, 0.3005, 0.5893 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(15, 149, 15)` looks like.

```
.text, #text, p{  
    color:rgb(15, 149, 15)  
}
```

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(15, 149, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 149, 15) }
```

Border

The CSS property to change the border of an element to Yxy 21.6309, 0.3005, 0.5893 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(15, 149, 15) }
```

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

```
.border{ border-color:rgb(15, 149, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 149, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 149, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 149, 15);  
box-shadow:4px 4px 4px 4px rgb(15, 149,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6309, 0.3005, 0.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 149, 15) }
```

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

```
.background{ background-color: rgb(15, 149,  
15) }
```

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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