

Converting Colors

$Y_{xy}(21.0462, 0.2998, 0.5861)$

Have a look what the booklet for
Yxy(21.0462, 0.2998, 0.5861)
contains.

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Color

Yxy(21.0160, 0.2996, 0.5859)

Conversions

Conversions Part 1

Format	Color
Hex	0F9313
RGB	15, 147, 19
RGB Percent	6%, 58%, 7%
CMY	0.9418, 0.4235, 0.9254
CMYK	0.90, 0.00, 0.87, 0.42
HSL	122°, 82%, 32%
HSV	122°, 90%, 58%
XYZ	10.7465, 21.0160, 4.1071
YIQ	92.9400, -37.5840, -67.7920

Conversions

Conversions Part 2

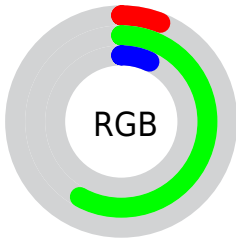
Format	Color
R_{YB}	15, 143, 147
Decimal	1020691
CIE _{Lab}	52.97, -55.50, 51.83
CIE _{LCh}	53, 75.938, 136.953
Yxy	21.0160, 0.2996, 0.5859
Android (android.graphics.Color)	4279210771 (0xFF0F9313)
YUV	92.9400, -36.4524, -68.3534
Hunter-Lab	45.8432, -38.3818, 26.7785

Details

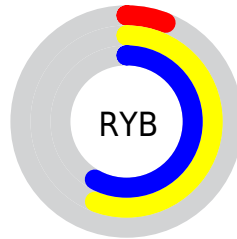
The Yxy color **21.0160, 0.2996, 0.5859** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.5189, 0.3277, 0.1628**, and the grayscale version is **11.0152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0010, 0.3111, 0.5228**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.8809, 0.2993, 0.5973**, and if you desaturate by 10%, it is **21.2500, 0.3000, 0.5674**.

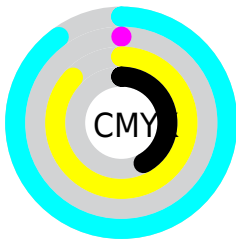
Distribution



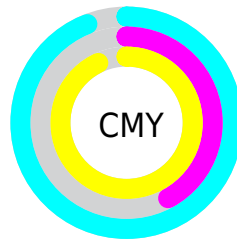
- Red (6%)
- Green (58%)
- Blue (7%)



- Red (6%)
- Yellow (56%)
- Blue (58%)



- Cyan (90%)
- Magenta (0%)
- Yellow (87%)
- Black (42%)





- Cyan (94%)
- Magenta (42%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0160, 0.2996, 0.5859 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 21.0160, 0.2996, 0.5859 by changing the saturation by 10% instead.


 21.0160, 0.2996,
0.5859

 21.0160, 0.2996,
0.5859


257.3635, 0.3182,
0.4314


 13.1357, 0.2869,
0.6321

 45.1142, 0.3112,
0.5234

 7.5221, 0.2667,
0.7007


 62.1008, 0.3139,
0.5017


 3.7907, 0.2220,
0.7780

 82.8917, 0.3156,
0.4842

 1.5572, 0.0062,
0.9938

 107.8712, 0.3167,
0.4698


 0.3285, 0.0000,
1.0000


 137.4238, 0.3174,
0.4578


 0.0000, 0.0000,
0.0000


 171.9337, 0.3178,

0.4476


 211.7855, 0.3181,
0.4389


 21.0160, 0.2996,
0.5859


 21.0160, 0.2996,
0.5859

 20.8809, 0.2993,
0.5973


 21.2500, 0.3000,
0.5674

 20.8797, 0.2993,
0.5974

 21.6197, 0.3009,
0.5417

 22.1426, 0.3022,
0.5109

 22.8328, 0.3038,
0.4773

 23.7030, 0.3056,
0.4432

■ 24.7645, 0.3075,
0.4104

■ 26.0277, 0.3094,
0.3801

■ 27.5025, 0.3111,
0.3529

■ 29.1978, 0.3127,
0.3288

Harmonies

Analogous

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



21.0160, 0.4145, 0.5502



21.0160, 0.2996, 0.5859



21.0160, 0.1932, 0.4795

Triad

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



21.0160, 0.2996, 0.5859



21.0160, 0.1234, 0.1552



21.0160, 0.5358, 0.2926

Complementary

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



21.0160, 0.2996, 0.5859



8.5189, 0.3277, 0.1628

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.



21.0160, 0.4130, 0.2231



21.0160, 0.2996, 0.5859



21.0160, 0.1752, 0.1486

Square

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



21.0160, 0.2996, 0.5859



21.0160, 0.1076, 0.2012



21.0160, 0.2733, 0.1721



21.0160, 0.5692, 0.3697

Rectangle

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



21.0160, 0.2996, 0.5859



21.0160, 0.1434, 0.3628



21.0160, 0.2733, 0.1721



21.0160, 0.5023, 0.2683

Sweetspot

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



21.0169, 0.2996, 0.5859



44.8430, 0.3080, 0.4031



26.9055, 0.4139, 0.5025



10.0891, 0.3074, 0.4127



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.



21.0169, 0.2996, 0.5859



37.3840, 0.2995, 0.5981



21.5963, 0.2679, 0.4744



6.4712, 0.3112, 0.3511



18.1005, 0.2992, 0.5972



0.2221, 0.2954, 0.5833

Inverse Universe

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



8.5189, 0.3277, 0.1628



14.6200, 0.3290, 0.1586



7.1015, 0.4739, 0.2474



5.9061, 0.3142, 0.3079



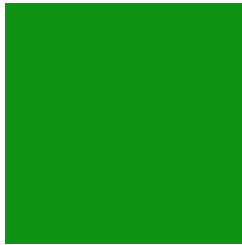
7.0807, 0.3288, 0.1585



0.0875, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 21.0160, 0.2996, 0.5859 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 21.0160, 0.2996, 0.5859 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 21.0160, 0.2996, 0.5859

Background



This preview shows how black text looks on a background with the Yxy color 21.0160, 0.2996, 0.5859.



This preview shows how white text looks on a background with the Yxy color 21.0160, 0.2996, 0.5859.

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

21.0160, 0.2996, 0.5859

Protanopia

20.6990, 0.4371, 0.4843

Deuteranopia

20.5901, 0.4555, 0.4462



Tritanopia

21.0862, 0.2380, 0.3071

Trichromacy



Original Color

21.0160, 0.2996, 0.5859



Protanomaly

19.5715, 0.3678, 0.5358



Deuteranomaly

18.8584, 0.3790, 0.5095



Tritanomaly

20.5472, 0.2639, 0.4185

Monochromacy



Original Color

21.0160, 0.2996, 0.5859



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.3274, 0.3059, 0.4496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0160, 0.2996, 0.5859 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, 147, 19)` looks like.

```
.text, #text, p{  
    color:rgb(15, 147, 19)  
}
```

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, 147, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 147, 19) }
```

Border

The CSS property to change the border of an element to Yxy 21.0160, 0.2996, 0.5859 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, 147, 19) }
```

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

```
.border{ border-color:rgb(15, 147, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 147, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 147, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 147, 19);  
box-shadow:4px 4px 4px 4px rgb(15, 147,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0160, 0.2996, 0.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 147, 19) }
```

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

```
.background{ background-color: rgb(15, 147,  
19) }
```

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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