

Converting Colors

$Y_{xy}(21.5334, 0.2960, 0.5855)$

Have a look what the booklet for
Yxy(21.5334, 0.2960, 0.5855)
contains.

Yxy(21.5528, 0.2961, 0.5858)	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(21.5528, 0.2961, 0.5858)

Conversions

Conversions Part 1

Format	Color
Hex	009516
RGB	0, 149, 22
RGB Percent	0%, 58%, 9%
CMY	0.9992, 0.4157, 0.9137
CMYK	1.00, 0.00, 0.85, 0.42
HSL	129°, 100%, 29%
HSV	129°, 100%, 58%
XYZ	10.8941, 21.5528, 4.3451
YIQ	89.9710, -48.0370, -71.0850

Conversions

Conversions Part 2

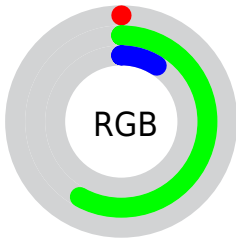
Format	Color
RYB	0, 130, 149
Decimal	38166
CIELab	53.55, -56.90, 51.57
CIElCh	54, 76.793, 137.817
Yxy	21.5528, 0.2961, 0.5858
Android (android.graphics.Color)	4278228246 (0xFF009516)
YUV	89.9710, -33.5097, -78.9046
Hunter-Lab	46.4250, -39.3568, 26.9483

Details

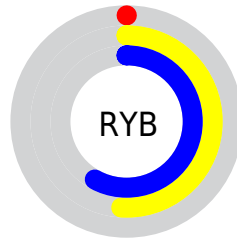
The Yxy color **21.5528, 0.2961, 0.5858** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.9310, 0.3610, 0.1763**, and the grayscale version is **10.3165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8250, 0.3083, 0.5227**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5517, 0.2961, 0.5860**, and if you desaturate by 10%, it is **21.7166, 0.2949, 0.5695**.

Distribution



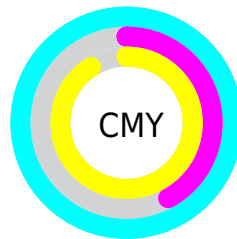
- Red (0%)
- Green (58%)
- Blue (9%)



- Red (0%)
- Yellow (51%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5528, 0.2961, 0.5858 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 21.5528, 0.2961, 0.5858 by changing the saturation by 10% instead.


 21.5528, 0.2961,
0.5858


 21.5528, 0.2961,
0.5858


260.2019, 0.3165,
0.4315

 13.5287, 0.2832,
0.6320


 46.0058, 0.3083,
0.5234


 7.7936, 0.2621,
0.6986


 63.2034, 0.3112,
0.5017


 3.9632, 0.2194,
0.7806

 84.2276, 0.3131,
0.4843

 1.6530, 0.0217,
0.9783

 109.4629, 0.3144,
0.4699


 0.3929, 0.0000,
1.0000

 139.2935, 0.3153,
0.4579

 0.0000, 0.0000,
0.0000


 174.1040, 0.3158,


0.4477


 214.2786, 0.3162,
0.4390


 21.5528, 0.2961,
0.5858


 21.5528, 0.2961,
0.5858

 21.5517, 0.2961,
0.5860

 21.7166, 0.2949,
0.5695

 21.9793, 0.2941,
0.5476

 22.3780, 0.2943,
0.5208

 22.9282, 0.2954,
0.4909

 23.6435, 0.2974,
0.4599

■ 24.5357, 0.3000,
0.4294

■ 25.6156, 0.3030,
0.4004

■ 26.8933, 0.3063,
0.3738

■ 28.3779, 0.3095,
0.3499

Harmonies

Analogous

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



21.5528, 0.4113, 0.5529



21.5528, 0.2961, 0.5858



21.5528, 0.1902, 0.4751

Triad

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



21.5528, 0.2961, 0.5858



21.5528, 0.1241, 0.1542



21.5528, 0.5388, 0.2945

Complementary

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



21.5528, 0.2961, 0.5858



7.9310, 0.3610, 0.1763

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.



21.5528, 0.4175, 0.2247



21.5528, 0.2961, 0.5858



21.5528, 0.1770, 0.1485

Square

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



21.5528, 0.2961, 0.5858



21.5528, 0.1073, 0.1988



21.5528, 0.2767, 0.1729



21.5528, 0.5692, 0.3720

Rectangle

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



21.5528, 0.2961, 0.5858



21.5528, 0.1414, 0.3579



21.5528, 0.2767, 0.1729



21.5528, 0.5061, 0.2701

Sweetspot

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



21.5537, 0.2961, 0.5858



45.7196, 0.3028, 0.4025



26.1744, 0.3964, 0.5234



9.9624, 0.3016, 0.4133



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.



21.5537, 0.2961, 0.5858



38.5804, 0.2967, 0.5882



22.3118, 0.2588, 0.4514



6.4815, 0.3098, 0.3484



18.1422, 0.2959, 0.5852



0.2247, 0.2807, 0.5304

Inverse Universe

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



7.9310, 0.3610, 0.1763



14.1739, 0.3619, 0.1768



6.6673, 0.5466, 0.2786



5.8947, 0.3158, 0.3103



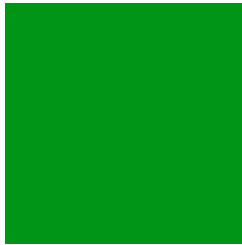
6.6743, 0.3607, 0.1761



0.0849, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 21.5528, 0.2961, 0.5858 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 21.5528, 0.2961, 0.5858 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 21.5528, 0.2961, 0.5858

Background



This preview shows how black text looks on a background with the Yxy color 21.5528, 0.2961, 0.5858.



This preview shows how white text looks on a background with the Yxy color 21.5528, 0.2961, 0.5858.

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

21.5528, 0.2961, 0.5858

Protanopia

21.4050, 0.4358, 0.4829

Deuteranopia

21.2883, 0.4539, 0.4456



Tritanopia

21.6914, 0.2370, 0.3074

Trichromacy



Original Color

21.5528, 0.2961, 0.5858



Protanomaly

19.9273, 0.3605, 0.5390



Deuteranomaly

19.1617, 0.3710, 0.5130



Tritanomaly

21.0753, 0.2607, 0.4179

Monochromacy



Original Color

21.5528, 0.2961, 0.5858



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.6204, 0.2979, 0.4516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5528, 0.2961, 0.5858 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(0, 149, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 22)  
}
```

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(0, 149, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 22) }
```

Border

The CSS property to change the border of an element to Yxy 21.5528, 0.2961, 0.5858 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(0, 149, 22) }
```

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

```
.border{ border-color:rgb(0, 149, 22) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 149, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5528, 0.2961, 0.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 22) }
```

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

```
.background{ background-color: rgb(0, 149,  
22) }
```

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