

Converting Colors

$Y_{xy}(21.9746, 0.2937, 0.5780)$

Have a look what the booklet for
Yxy(21.9746, 0.2937, 0.5780)
contains.

Yxy(21.9064, 0.2938, 0.5778)	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(21.9064, 0.2938, 0.5778)

Conversions

Conversions Part 1

Format	Color
Hex	00961E
RGB	0, 150, 30
RGB Percent	0%, 59%, 12%
CMY	1.0000, 0.4117, 0.8824
CMYK	1.00, 0.00, 0.80, 0.41
HSL	132°, 100%, 29%
HSV	132°, 100%, 59%
XYZ	11.1390, 21.9064, 4.8681
YIQ	91.4700, -50.8800, -69.1200

Conversions

Conversions Part 2

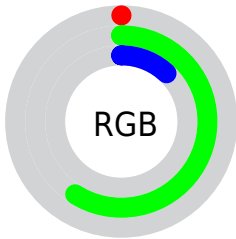
Format	Color
RYB	0, 125, 150
Decimal	38430
CIELab	53.93, -56.73, 49.58
CIELCh	54, 75.341, 138.846
Yxy	21.9064, 0.2938, 0.5778
Android (android.graphics.Color)	4278228510 (0xFF00961E)
YUV	91.4700, -30.3047, -80.2192
Hunter-Lab	46.8043, -39.4262, 26.5963

Details

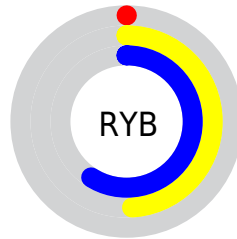
The Yxy color **21.9064, 0.2938, 0.5778** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.8412, 0.3779, 0.1855**, and the grayscale version is **10.6544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3774, 0.3060, 0.5169**, and **8.5494, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.9083, 0.2938, 0.5778**, and if you desaturate by 10%, it is **22.0833, 0.2921, 0.5598**.

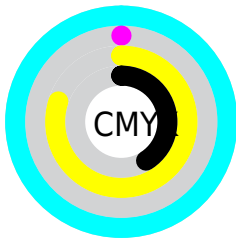
Distribution



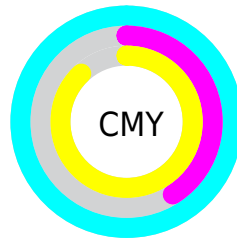
- Red (0%)
- Green (59%)
- Blue (12%)



- Red (0%)
- Yellow (49%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9064, 0.2938, 0.5778 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 21.9064, 0.2938, 0.5778 by changing the saturation by 10% instead.


 21.9064, 0.2938,
0.5778


 21.9064, 0.2938,
0.5778


262.0571, 0.3146,
0.4282


 13.7881, 0.2815,
0.6231


 46.5912, 0.3057,
0.5171


 7.9735, 0.2604,
0.6860


 63.9266, 0.3087,
0.4961


 4.0780, 0.2226,
0.7774

 85.1032, 0.3107,
0.4792

 1.7173, 0.0449,
0.9551

 110.5053, 0.3121,
0.4653

 0.4348, 0.0000,
1.0000

 140.5173, 0.3130,
0.4537

 0.0000, 0.0000,
0.0000

 175.5237, 0.3137,

0.4439

215.9088, 0.3142,
0.4355

■ 21.9064, 0.2938,
0.5778

■ 21.9064, 0.2938,
0.5778

■ 21.9083, 0.2938,
0.5778

■ 22.0833, 0.2921,
0.5598

■ 22.3569, 0.2908,
0.5370

■ 22.7658, 0.2909,
0.5104

■ 23.3254, 0.2921,
0.4816

■ 24.0487, 0.2943,
0.4521

■ 24.9478, 0.2973,
0.4233

■ 26.0331, 0.3009,
0.3962

■ 27.3145, 0.3048,
0.3713

■ 28.8011, 0.3088,
0.3489

Harmonies

Analogous

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



21.9064, 0.4073, 0.5517



21.9064, 0.2938, 0.5778



21.9064, 0.1902, 0.4655

Triad

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



21.9064, 0.2938, 0.5778



21.9064, 0.1282, 0.1565



21.9064, 0.5363, 0.2984

Complementary

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



21.9064, 0.2938, 0.5778



7.8412, 0.3779, 0.1855

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.



21.9064, 0.4201, 0.2289



21.9064, 0.2938, 0.5778



21.9064, 0.1821, 0.1518

Square

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



21.9064, 0.2938, 0.5778



21.9064, 0.1105, 0.1993



21.9064, 0.2820, 0.1768



21.9064, 0.5637, 0.3756

Rectangle

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



21.9064, 0.2938, 0.5778



21.9064, 0.1429, 0.3521



21.9064, 0.2820, 0.1768



21.9064, 0.5053, 0.2742

Sweetspot

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



21.9083, 0.2938, 0.5778



45.8158, 0.3007, 0.3978



25.9892, 0.3878, 0.5303



9.9851, 0.2993, 0.4079



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.



21.9083, 0.2938, 0.5778



38.6393, 0.2946, 0.5804



22.7840, 0.2539, 0.4339



6.4863, 0.3091, 0.3472



18.1726, 0.2935, 0.5767



0.2259, 0.2748, 0.5093

Inverse Universe

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



7.8412, 0.3779, 0.1855



13.8116, 0.3792, 0.1863



6.6939, 0.5662, 0.2893



5.8895, 0.3166, 0.3115



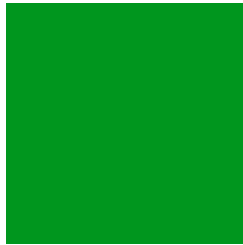
6.5074, 0.3774, 0.1853



0.0837, 0.3465, 0.1682

Previews

White Background



This preview shows how the Yxy color 21.9064, 0.2938, 0.5778 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 21.9064, 0.2938, 0.5778 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 21.9064, 0.2938, 0.5778

Background



This preview shows how black text looks on a background with the Yxy color 21.9064, 0.2938, 0.5778.



This preview shows how white text looks on a background with the Yxy color 21.9064, 0.2938, 0.5778.

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

21.9064, 0.2938, 0.5778

Protanopia

21.6958, 0.4314, 0.4796

Deuteranopia

21.5671, 0.4490, 0.4424



Tritanopia

22.0147, 0.2367, 0.3075

Trichromacy



Original Color

21.9064, 0.2938, 0.5778



Protanomaly

20.2412, 0.3569, 0.5333



Deuteranomaly

19.4672, 0.3667, 0.5070



Tritanomaly

21.4394, 0.2577, 0.4104

Monochromacy



Original Color

21.9064, 0.2938, 0.5778



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.9176, 0.2950, 0.4424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9064, 0.2938, 0.5778 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, 150, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 30)  
}
```

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, 150, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 30) }
```

Border

The CSS property to change the border of an element to Yxy 21.9064, 0.2938, 0.5778 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, 150, 30) }
```

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

```
.border{ border-color:rgb(0, 150, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.9064, 0.2938, 0.5778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 30) }
```

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

```
.background{ background-color: rgb(0, 150,  
30) }
```

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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