

Converting Colors

$Y_{xy}(20.9342, 0.4391, 0.5088)$

Have a look what the booklet for
Yxy(20.9342, 0.4391, 0.5088)
contains.

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Color

Yxy(21.1038, 0.4309, 0.4961)

Conversions

Conversions Part 1

Format	Color
Hex	8A8100
RGB	138, 129, 0
RGB Percent	54%, 51%, 0%
CMY	0.4589, 0.4941, 1.0000
CMYK	0.00, 0.07, 1.00, 0.46
HSL	56°, 100%, 27%
HSV	56°, 100%, 54%
XYZ	18.3302, 21.1038, 3.1054
YIQ	116.9850, 46.7730, -38.2110

Conversions

Conversions Part 2

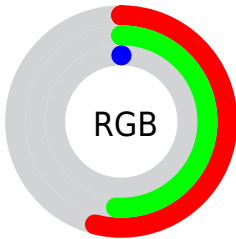
Format	Color
R _Y B	10, 138, 0
Decimal	9076992
CIE Lab	53.06, -8.81, 57.97
CIE LCh	53, 58.634, 98.640
Yxy	21.1038, 0.4309, 0.4961
Android (android.graphics.Color)	4287267072 (0xFF8A8100)
YUV	116.9850, -57.6736, 18.4302
Hunter-Lab	45.9389, -9.1691, 28.1493

Details

The Yxy color **21.1038, 0.4309, 0.4961** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.0298, 0.1516, 0.0657**, and the grayscale version is **17.9560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4632, 0.4121, 0.4655**, and **7.6221, 0.4272, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **21.1049, 0.4309, 0.4961**, and if you desaturate by 10%, it is **21.3739, 0.4263, 0.4918**.

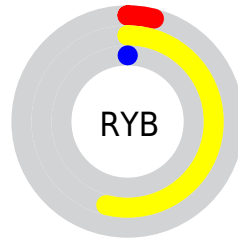
Distribution



Red (54%)

Green (51%)

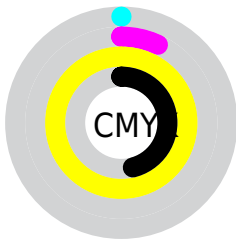
Blue (0%)



Red (4%)

Yellow (54%)

Blue (0%)

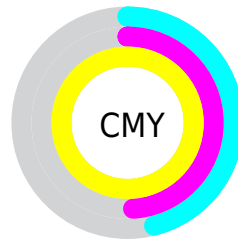


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1038, 0.4309, 0.4961 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 21.1038, 0.4309, 0.4961 by changing the saturation by 10% instead.


 21.1038, 0.4309,
0.4961


 21.1038, 0.4309,
0.4961


 257.8296, 0.3734,
0.4084


 13.1999, 0.4403,
0.5149


 45.2602, 0.4125,
0.4653


 7.5663, 0.4555,
0.5445


 62.2815, 0.4046,
0.4532

 3.8187, 0.4472,
0.5528

 83.1108, 0.3976,
0.4428

 1.5727, 0.4330,
0.5670

 108.1323, 0.3915,
0.4339


 0.3391, 0.2403,
0.7597


 137.7306, 0.3861,
0.4262


 0.0000, 0.0000,
0.0000


 172.2900, 0.3814,


0.4195

 212.1948, 0.3772,
0.4136

 21.1038, 0.4309,
0.4961


 21.1038, 0.4309,
0.4961

 21.1049, 0.4309,
0.4961

 21.3739, 0.4263,
0.4918

 21.6645, 0.4200,
0.4846

 21.9874, 0.4111,
0.4733

 22.3463, 0.3999,
0.4581

 22.7443, 0.3869,
0.4398

■ 23.1843, 0.3726,
0.4190

■ 23.6688, 0.3575,
0.3968

■ 24.2001, 0.3422,
0.3739

■ 24.7805, 0.3272,
0.3512

Harmonies

Analogous

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



21.1038, 0.4994, 0.4268



21.1038, 0.4309, 0.4961



21.1038, 0.3384, 0.5277

Triad

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



21.1038, 0.4309, 0.4961



21.1038, 0.1436, 0.2494



21.1038, 0.3612, 0.2293

Complementary

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



21.1038, 0.4309, 0.4961



2.0298, 0.1516, 0.0657

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.



21.1038, 0.2571, 0.1910



21.1038, 0.4309, 0.4961



21.1038, 0.1479, 0.1946

Square

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



21.1038, 0.4309, 0.4961



21.1038, 0.1744, 0.3515



21.1038, 0.1847, 0.1781



21.1038, 0.4650, 0.2869

Rectangle

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



21.1038, 0.4309, 0.4961



21.1038, 0.2742, 0.5013



21.1038, 0.1847, 0.1781



21.1038, 0.3242, 0.2140

Sweetspot

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



21.1049, 0.4309, 0.4961



41.6688, 0.3585, 0.3983



5.4227, 0.6302, 0.3245



9.2749, 0.3640, 0.4064



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.1049, 0.4309, 0.4961



37.1170, 0.4311, 0.4959



19.8025, 0.3476, 0.5622



5.7902, 0.3259, 0.3492



19.3610, 0.4308, 0.4961



0.1364, 0.4246, 0.5011

Inverse Universe

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



2.0298, 0.1516, 0.0657



3.4883, 0.1512, 0.0642



2.7891, 0.1924, 0.0833



4.9412, 0.2991, 0.3079



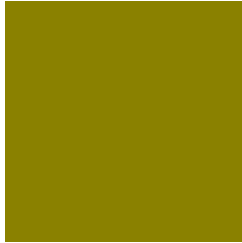
1.8698, 0.1517, 0.0660



0.0184, 0.1591, 0.0927

Previews

White Background



This preview shows how the Yxy color 21.1038, 0.4309, 0.4961 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 21.1038, 0.4309, 0.4961 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 21.1038, 0.4309, 0.4961

Background



This preview shows how black text looks on a background with the Yxy color 21.1038, 0.4309, 0.4961.



This preview shows how white text looks on a background with the Yxy color 21.1038, 0.4309, 0.4961.

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

21.1038, 0.4309, 0.4961

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.9502, 0.4659, 0.4578



Tritanopia

21.1289, 0.3347, 0.3139

Trichromacy



Original Color

21.1038, 0.4309, 0.4961

Protanomaly

21.1011, 0.4361, 0.4920

Deuteranomaly

20.8655, 0.4541, 0.4716

Tritanomaly

20.6148, 0.3874, 0.4006

Monochromacy



Original Color

21.1038, 0.4309, 0.4961

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.5291, 0.3736, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1038, 0.4309, 0.4961 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(138, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 129, 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(138, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1038, 0.4309, 0.4961 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(138, 129, 0) }
```

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

```
.border{ border-color:rgb(138, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 129,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1038, 0.4309, 0.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 129, 0) }
```

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

```
.background{ background-color: rgb(138,  
129, 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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