

Converting Colors

$Y_{xy}(21.4666, 0.4127, 0.4897)$

Have a look what the booklet for
Yxy(21.4666, 0.4127, 0.4897)
contains.

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Color

Yxy(21.5729, 0.4120, 0.4901)

Conversions

Conversions Part 1

Format	Color
Hex	85841C
RGB	133, 132, 28
RGB Percent	52%, 52%, 11%
CMY	0.4784, 0.4824, 0.8900
CMYK	0.00, 0.01, 0.79, 0.48
HSL	59°, 65%, 32%
HSV	59°, 79%, 52%
XYZ	18.1351, 21.5729, 4.3093
YIQ	120.4430, 33.9800, -32.1320

Conversions

Conversions Part 2

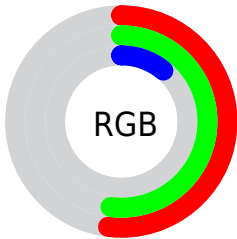
Format	Color
R_{YB}	29, 133, 28
Decimal	8750108
CIE Lab	53.57, -12.03, 51.79
CIE LCh	54, 53.170, 103.072
Yxy	21.5729, 0.4120, 0.4901
Android (android.graphics.Color)	4286940188 (0xFF85841C)
YUV	120.4430, -45.5744, 11.0125
Hunter-Lab	46.4466, -11.5861, 27.0117

Details

The Yxy color **21.5729, 0.4120, 0.4901** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.8225, 0.1693, 0.0927**, and the grayscale version is **19.0752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1259, 0.3955, 0.4577**, and **7.8920, 0.4136, 0.5098** is the 20% darker color. If you saturate the color by 10%, you get **21.4890, 0.4172, 0.4983**, and if you desaturate by 10%, it is **21.6870, 0.4043, 0.4778**.

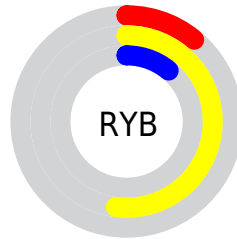
Distribution



Red (52%)

Green (52%)

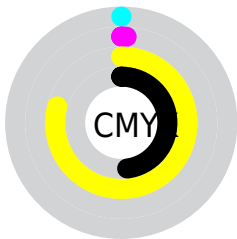
Blue (11%)



Red (11%)

Yellow (52%)

Blue (11%)

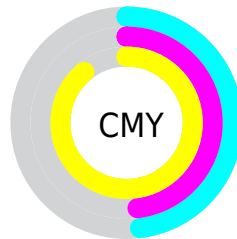


Cyan (0%)

Magenta (1%)

Yellow (79%)

Black (48%)



Cyan (48%)


Magenta (48%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5729, 0.4120, 0.4901 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 21.5729, 0.4120, 0.4901 by changing the saturation by 10% instead.


 21.5729, 0.4120,
0.4901


 21.5729, 0.4120,
0.4901


260.3077, 0.3629,
0.4026


 13.5434, 0.4209,
0.5113


 46.0391, 0.3958,
0.4579


 7.8038, 0.4310,
0.5396


 63.2445, 0.3890,
0.4457

 3.9697, 0.4329,
0.5671

 84.2775, 0.3831,
0.4355

 1.6566, 0.4138,
0.5862

 109.5222, 0.3780,
0.4269

 0.3953, 0.1721,
0.8279

 139.3632, 0.3735,
0.4195

 0.0000, 0.0000,
0.0000

 174.1849, 0.3695,

0.4131

214.3716, 0.3660,
0.4075

21.5729, 0.4120,
0.4901

21.5729, 0.4120,
0.4901

21.4890, 0.4172,
0.4983

21.6870, 0.4043,
0.4778

21.4238, 0.4206,
0.5034

21.8317, 0.3943,
0.4618

21.4169, 0.4209,
0.5040

22.0107, 0.3824,
0.4425

22.2266, 0.3690,
0.4209

22.4817, 0.3547,
0.3976

■ 22.7780, 0.3401,
0.3737

■ 23.1176, 0.3254,
0.3498

■ 23.5022, 0.3112,
0.3265

■ 23.9337, 0.2977,
0.3043

Harmonies

Analogous

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



21.5729, 0.4778, 0.4323



21.5729, 0.4120, 0.4901



21.5729, 0.3256, 0.5045

Triad

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



21.5729, 0.4120, 0.4901



21.5729, 0.1554, 0.2479



21.5729, 0.3720, 0.2446

Complementary

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



21.5729, 0.4120, 0.4901



2.8225, 0.1693, 0.0927

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.



21.5729, 0.2753, 0.2055



21.5729, 0.4120, 0.4901



21.5729, 0.1636, 0.2018

Square

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



21.5729, 0.4120, 0.4901



21.5729, 0.1801, 0.3346



21.5729, 0.2031, 0.1899



21.5729, 0.4609, 0.3007

Rectangle

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



21.5729, 0.4120, 0.4901



21.5729, 0.2672, 0.4710



21.5729, 0.2031, 0.1899



21.5729, 0.3385, 0.2293

Sweetspot

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



21.5739, 0.4120, 0.4901



40.4772, 0.3483, 0.3872



5.9125, 0.5720, 0.3276



9.0838, 0.3528, 0.3945



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.5739, 0.4120, 0.4901



38.3847, 0.4198, 0.5022



18.6676, 0.3474, 0.5359



5.4156, 0.3257, 0.3503



20.3979, 0.4209, 0.5040



0.0713, 0.4201, 0.5047

Inverse Universe

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



2.8225, 0.1693, 0.0927



3.3111, 0.1527, 0.0648



4.1790, 0.2269, 0.1207



4.5512, 0.2992, 0.3068



1.6402, 0.1503, 0.0609



0.0061, 0.1514, 0.0651

Previews

White Background



This preview shows how the Yxy color 21.5729, 0.4120, 0.4901 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 21.5729, 0.4120, 0.4901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

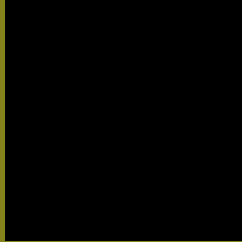
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5729, 0.4120, 0.4901

Background



This preview shows how black text looks on a background with the Yxy color 21.5729, 0.4120, 0.4901.



This preview shows how white text looks on a background with the Yxy color 21.5729, 0.4120, 0.4901.

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

21.5729, 0.4120, 0.4901

Protanopia

21.4468, 0.4313, 0.4764

Deuteranopia

21.3616, 0.4583, 0.4489



Tritanopia

21.5221, 0.3232, 0.3119

Trichromacy



Original Color

21.5729, 0.4120, 0.4901

Protanomaly

21.3551, 0.4250, 0.4812

Deuteranomaly

21.3455, 0.4419, 0.4637

Tritanomaly

21.1512, 0.3637, 0.3845

Monochromacy



Original Color

21.5729, 0.4120, 0.4901

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.4634, 0.3569, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5729, 0.4120, 0.4901 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(133, 132, 28)` looks like.

```
.text, #text, p{  
    color:rgb(133, 132, 28)  
}
```

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(133, 132, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 132, 28) }
```

Border

The CSS property to change the border of an element to Yxy 21.5729, 0.4120, 0.4901 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(133, 132, 28) }
```

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

```
.border{ border-color:rgb(133, 132, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 132, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 132, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 132, 28);  
box-shadow:4px 4px 4px 4px rgb(133, 132,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5729, 0.4120, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 132, 28) }
```

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

```
.background{ background-color: rgb(133,  
132, 28) }
```

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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