

Converting Colors

$Y_{xy}(21.1236, 0.4301, 0.4695)$

Have a look what the booklet for
Yxy(21.1236, 0.4301, 0.4695)
contains.

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Color

Yxy(21.2178, 0.4294, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	907F21
RGB	144, 127, 33
RGB Percent	56%, 50%, 13%
CMY	0.4353, 0.5019, 0.8706
CMYK	0.00, 0.12, 0.77, 0.44
HSL	51°, 63%, 35%
HSV	51°, 77%, 56%
XYZ	19.3643, 21.2178, 4.5141
YIQ	121.3670, 40.3060, -25.6300

Conversions

Conversions Part 2

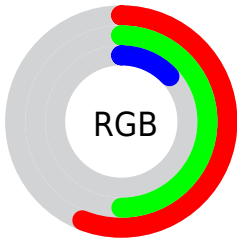
Format	Color
R_{YB}	53, 144, 33
Decimal	9469729
CIE Lab	53.19, -4.01, 50.07
CIE LCh	53, 50.228, 94.579
Yxy	21.2178, 0.4294, 0.4705
Android (android.graphics.Color)	4287659809 (0xFF907F21)
YUV	121.3670, -43.5649, 19.8491
Hunter-Lab	46.0628, -5.5702, 26.4335

Details

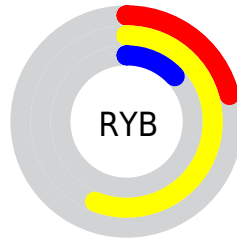
The Yxy color **21.2178, 0.4294, 0.4705** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.6174, 0.1774, 0.1205**, and the grayscale version is **19.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3136, 0.4091, 0.4430**, and **7.6224, 0.4430, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **20.5916, 0.4391, 0.4779**, and if you desaturate by 10%, it is **21.8930, 0.4172, 0.4590**.

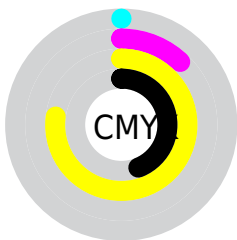
Distribution



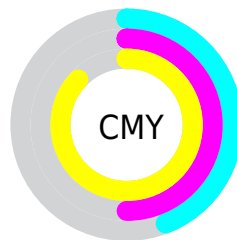
- Red (56%)
- Green (50%)
- Blue (13%)



- Red (21%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (12%)
- Yellow (77%)
- Black (44%)





- Cyan (44%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2178, 0.4294, 0.4705 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 21.2178, 0.4294, 0.4705 by changing the saturation by 10% instead.


 21.2178, 0.4294,
0.4705


 21.2178, 0.4294,
0.4705


 258.4337, 0.3693,
0.3954


 13.2833, 0.4421,
0.4877


 45.4497, 0.4084,
0.4435


 7.6239, 0.4572,
0.5094


 62.5160, 0.4001,
0.4331

 3.8553, 0.4693,
0.5307

 83.3949, 0.3930,
0.4243

 1.5929, 0.4631,
0.5369

 108.4709, 0.3869,
0.4168

 0.3528, 0.4023,
0.5977

 138.1284, 0.3816,
0.4103

 0.0000, 0.0000,
0.0000

 172.7518, 0.3770,

0.4047

212.7254, 0.3729,
0.3998

21.2178, 0.4294,
0.4705

21.2178, 0.4294,
0.4705

20.5916, 0.4391,
0.4779

21.8930, 0.4172,
0.4590

20.0045, 0.4464,
0.4813

22.6181, 0.4029,
0.4438

19.8365, 0.4485,
0.4821

23.3977, 0.3873,
0.4258

24.2349, 0.3710,
0.4059

25.1324, 0.3545,
0.3850

■ 26.0929, 0.3384,
0.3639

■ 27.1188, 0.3231,
0.3432

■ 28.2123, 0.3086,
0.3233

■ 29.3757, 0.2952,
0.3044

Harmonies

Analogous

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



21.2178, 0.4821, 0.4113



21.2178, 0.4294, 0.4705



21.2178, 0.3504, 0.4983

Triad

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



21.2178, 0.4294, 0.4705



21.2178, 0.1651, 0.2719



21.2178, 0.3423, 0.2355

Complementary

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



21.2178, 0.4294, 0.4705



4.6174, 0.1774, 0.1205

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.



21.2178, 0.2546, 0.2037



21.2178, 0.4294, 0.4705



21.2178, 0.1642, 0.2163

Square

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



21.2178, 0.4294, 0.4705



21.2178, 0.1991, 0.3636



21.2178, 0.1938, 0.1959



21.2178, 0.4330, 0.2860

Rectangle

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



21.2178, 0.4294, 0.4705



21.2178, 0.2933, 0.4806



21.2178, 0.1938, 0.1959



21.2178, 0.3111, 0.2225

Sweetspot

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



21.2188, 0.4294, 0.4705



44.9317, 0.3487, 0.3774



7.2602, 0.5308, 0.3046



10.1790, 0.3540, 0.3844



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.2188, 0.4294, 0.4705



35.6137, 0.4442, 0.4804



23.1791, 0.3662, 0.5204



6.1468, 0.3262, 0.3475



17.3038, 0.4483, 0.4822



0.1900, 0.4325, 0.4948

Inverse Universe

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



4.6174, 0.1774, 0.1205



5.2450, 0.1588, 0.0844



4.4038, 0.2061, 0.1120



5.3800, 0.2990, 0.3098



2.2782, 0.1544, 0.0757



0.0422, 0.1698, 0.1311

Previews

White Background



This preview shows how the Yxy color 21.2178, 0.4294, 0.4705 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 21.2178, 0.4294, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

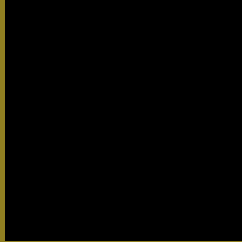
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2178, 0.4294, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 21.2178, 0.4294, 0.4705.



This preview shows how white text looks on a background with the Yxy color 21.2178, 0.4294, 0.4705.

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

21.2178, 0.4294, 0.4705

Protanopia

21.1282, 0.4281, 0.4713

Deuteranopia

21.2757, 0.4552, 0.4473



Tritanopia

21.0947, 0.3427, 0.3125

Trichromacy



Original Color

21.2178, 0.4294, 0.4705

Protanomaly

21.1282, 0.4281, 0.4713

Deuteranomaly

21.1573, 0.4459, 0.4555

Tritanomaly

20.7610, 0.3820, 0.3772

Monochromacy



Original Color

21.2178, 0.4294, 0.4705

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5543, 0.3604, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2178, 0.4294, 0.4705 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(144, 127, 33)` looks like.

```
.text, #text, p{  
    color:rgb(144, 127, 33)  
}
```

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(144, 127, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 127, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.2178, 0.4294, 0.4705 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(144, 127, 33) }
```

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

```
.border{ border-color:rgb(144, 127, 33) }
```

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

Here you see how a box with a 4 pixel rgb(144, 127, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 127, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 127, 33);  
box-shadow:4px 4px 4px 4px rgb(144, 127,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2178, 0.4294, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 127, 33) }
```

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

```
.background{ background-color: rgb(144,  
127, 33) }
```

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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