

Converting Colors

$Y_{xy}(21.7585, 0.4195, 0.4611)$

Have a look what the booklet for
Yxy(21.7585, 0.4195, 0.4611)
contains.

Yxy(21.8193, 0.4192, 0.4614)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8193, 0.4192, 0.4614)

Conversions

Conversions Part 1

Format	Color
Hex	90812D
RGB	144, 129, 45
RGB Percent	56%, 51%, 18%
CMY	0.4353, 0.4941, 0.8236
CMYK	0.00, 0.10, 0.69, 0.44
HSL	51°, 52%, 37%
HSV	51°, 69%, 56%
XYZ	19.8237, 21.8193, 5.6463
YIQ	123.9090, 35.9040, -22.9440

Conversions

Conversions Part 2

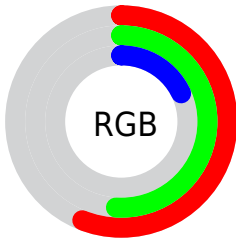
Format	Color
RYB	63, 144, 45
Decimal	9470253
CIELab	53.83, -4.49, 45.82
CIElCh	54, 46.043, 95.600
Yxy	21.8193, 0.4192, 0.4614
Android (android.graphics.Color)	4287660333 (0xFF90812D)
YUV	123.9090, -38.9021, 17.6198
Hunter-Lab	46.7111, -5.9911, 25.5309

Details

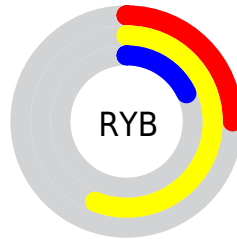
The Yxy color **21.8193, 0.4192, 0.4614** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7974, 0.1903, 0.1427**, and the grayscale version is **20.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5615, 0.3992, 0.4362**, and **7.9110, 0.4387, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **21.1599, 0.4310, 0.4723**, and if you desaturate by 10%, it is **22.5308, 0.4053, 0.4468**.

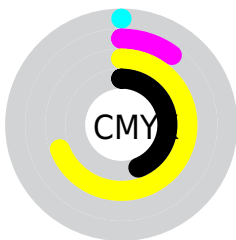
Distribution



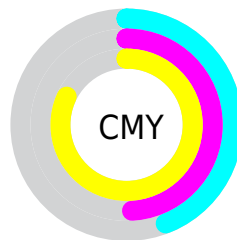
- Red (56%)
- Green (51%)
- Blue (18%)



- Red (25%)
- Yellow (56%)
- Blue (18%)



- Cyan (0%)
- Magenta (10%)
- Yellow (69%)
- Black (44%)





- Cyan (44%)
- Magenta (49%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8193, 0.4192, 0.4614 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 21.8193, 0.4192, 0.4614 by changing the saturation by 10% instead.


 21.8193, 0.4192,
0.4614


 21.8193, 0.4192,
0.4614


261.6012, 0.3636,
0.3902


 13.7242, 0.4317,
0.4788


 46.4472, 0.3994,
0.4352


 7.9291, 0.4455,
0.4994


 63.7487, 0.3917,
0.4253


 4.0496, 0.4675,
0.5325

 84.8878, 0.3852,
0.4170

 1.7013, 0.4607,
0.5393

 110.2489, 0.3796,
0.4100

 0.4245, 0.4090,
0.5910

 140.2164, 0.3748,
0.4040

 0.0000, 0.0000,
0.0000

 175.1747, 0.3706,

0.3987

215.5081, 0.3669,
0.3942

■ 21.8193, 0.4192,
0.4614

■ 21.8193, 0.4192,
0.4614

■ 21.1599, 0.4310,
0.4723

■ 22.5308, 0.4053,
0.4468

■ 20.5454, 0.4402,
0.4789

■ 23.2949, 0.3899,
0.4292

■ 19.9678, 0.4473,
0.4820

■ 24.1158, 0.3737,
0.4095

■ 19.8977, 0.4481,
0.4824

■ 24.9963, 0.3573,
0.3887

■ 25.9391, 0.3411,
0.3676

■ 26.9465, 0.3256,
0.3467

■ 28.0210, 0.3110,
0.3266

■ 29.1646, 0.2974,
0.3075

■ 30.3794, 0.2849,
0.2897

Harmonies

Analogous

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



21.8193, 0.4674, 0.4092



21.8193, 0.4192, 0.4614



21.8193, 0.3463, 0.4820

Triad

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



21.8193, 0.4192, 0.4614



21.8193, 0.1759, 0.2756



21.8193, 0.3431, 0.2441

Complementary

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



21.8193, 0.4192, 0.4614



5.7974, 0.1903, 0.1427

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.



21.8193, 0.2623, 0.2136



21.8193, 0.4192, 0.4614



21.8193, 0.1756, 0.2247

Square

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



21.8193, 0.4192, 0.4614



21.8193, 0.2072, 0.3579



21.8193, 0.2045, 0.2058



21.8193, 0.4245, 0.2919

Rectangle

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



21.8193, 0.4192, 0.4614



21.8193, 0.2937, 0.4632



21.8193, 0.2045, 0.2058



21.8193, 0.3146, 0.2317

Sweetspot

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



21.8203, 0.4192, 0.4614



45.3041, 0.3454, 0.3732



8.1451, 0.4961, 0.3040



10.2950, 0.3493, 0.3784



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.



21.8203, 0.4192, 0.4614



36.6747, 0.4368, 0.4768



23.5109, 0.3645, 0.5042



6.1483, 0.3262, 0.3475



17.3572, 0.4479, 0.4825



0.1903, 0.4323, 0.4949

Inverse Universe

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



5.7974, 0.1903, 0.1427



6.5873, 0.1675, 0.1019



5.5068, 0.2191, 0.1324



5.3786, 0.2990, 0.3098



2.2697, 0.1543, 0.0755



0.0419, 0.1696, 0.1304

Previews

White Background



This preview shows how the Yxy color 21.8193, 0.4192, 0.4614 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 21.8193, 0.4192, 0.4614 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 21.8193, 0.4192, 0.4614

Background



This preview shows how black text looks on a background with the Yxy color 21.8193, 0.4192, 0.4614.



This preview shows how white text looks on a background with the Yxy color 21.8193, 0.4192, 0.4614.

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

21.8193, 0.4192, 0.4614

Protanopia

21.8193, 0.4192, 0.4614

Deuteranopia

21.7014, 0.4472, 0.4377



Tritanopia

21.8658, 0.3396, 0.3142

Trichromacy



Original Color

21.8193, 0.4192, 0.4614

Protanomaly

21.8193, 0.4192, 0.4614

Deuteranomaly

21.8331, 0.4369, 0.4469

Tritanomaly

21.6121, 0.3729, 0.3719

Monochromacy



Original Color

21.8193, 0.4192, 0.4614

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5732, 0.3546, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8193, 0.4192, 0.4614 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, 129, 45)` looks like.

```
.text, #text, p{  
    color:rgb(144, 129, 45)  
}
```

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, 129, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 129, 45) }
```

Border

The CSS property to change the border of an element to Yxy 21.8193, 0.4192, 0.4614 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, 129, 45) }
```

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

```
.border{ border-color:rgb(144, 129, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 129, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 129, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 129, 45);  
box-shadow:4px 4px 4px 4px rgb(144, 129,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8193, 0.4192, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 129, 45) }
```

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

```
.background{ background-color: rgb(144,  
129, 45) }
```

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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