

Converting Colors

$Y_{xy}(21.8692, 0.4190, 0.4694)$

Have a look what the booklet for
Yxy(21.8692, 0.4190, 0.4694)
contains.

Yxy(21.8692, 0.4190, 0.4694)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8692, 0.4190, 0.4694)

Conversions

Conversions Part 1

Format	Color
Hex	8E8228
RGB	142, 130, 40
RGB Percent	56%, 51%, 16%
CMY	0.4431, 0.4902, 0.8431
CMYK	0.00, 0.08, 0.72, 0.44
HSL	53°, 56%, 36%
HSV	53°, 72%, 56%
XYZ	19.5211, 21.8692, 5.1994
YIQ	123.3280, 36.0420, -25.4460

Conversions

Conversions Part 2

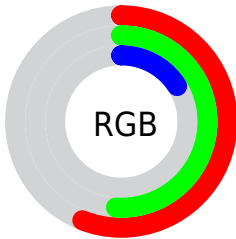
Format	Color
R_{YB}	54, 142, 40
Decimal	9339432
CIE _{Lab}	53.89, -6.24, 47.94
CIE _{LCh}	54, 48.341, 97.415
Yxy	21.8692, 0.4190, 0.4694
Android (android.graphics.Color)	4287529512 (0xFF8E8228)
YUV	123.3280, -41.0807, 16.3753
Hunter-Lab	46.7645, -7.3260, 26.1431

Details

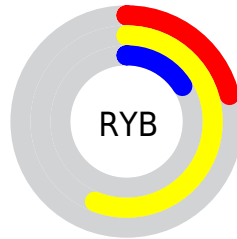
The Yxy color **21.8692, 0.4190, 0.4694** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.8598, 0.1838, 0.1279**, and the grayscale version is **20.0514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6281, 0.3995, 0.4423**, and **7.9596, 0.4328, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **21.3500, 0.4290, 0.4794**, and if you desaturate by 10%, it is **22.4332, 0.4067, 0.4554**.

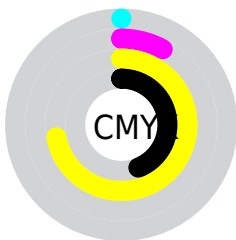
Distribution



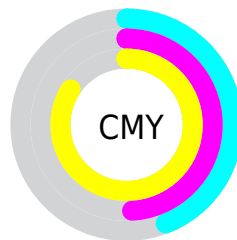
- Red (56%)
- Green (51%)
- Blue (16%)



- Red (21%)
- Yellow (56%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (72%)
- Black (44%)





- Cyan (44%)
- Magenta (49%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8692, 0.4190, 0.4694 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 21.8692, 0.4190, 0.4694 by changing the saturation by 10% instead.


 21.8692, 0.4190,
0.4694


 21.8692, 0.4190,
0.4694


 261.8624, 0.3643,
0.3939


 13.7608, 0.4307,
0.4877


 46.5297, 0.3999,
0.4417


 7.9545, 0.4434,
0.5096


 63.8506, 0.3923,
0.4312


 4.0658, 0.4597,
0.5403

 85.0112, 0.3859,
0.4224

 1.7105, 0.4502,
0.5498

 110.3958, 0.3803,
0.4150

 0.4304, 0.3737,
0.6263

 140.3888, 0.3755,
0.4086

 0.0000, 0.0000,
0.0000

 175.3747, 0.3713,

0.4030

215.7378, 0.3676,
0.3982

■ 21.8692, 0.4190,
0.4694

■ 21.8692, 0.4190,
0.4694

■ 21.3500, 0.4290,
0.4794

■ 22.4332, 0.4067,
0.4554

■ 20.8683, 0.4363,
0.4852

■ 23.0425, 0.3927,
0.4382

■ 20.4938, 0.4411,
0.4879

■ 23.7011, 0.3774,
0.4186

■ 24.4119, 0.3615,
0.3975

■ 25.1775, 0.3456,
0.3757

■ 26.0001, 0.3301,
0.3539

■ 26.8821, 0.3153,
0.3328

■ 27.8255, 0.3014,
0.3126

■ 28.8323, 0.2886,
0.2936

Harmonies

Analogous

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



21.8692, 0.4721, 0.4151



21.8692, 0.4190, 0.4694



21.8692, 0.3420, 0.4895

Triad

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



21.8692, 0.4190, 0.4694



21.8692, 0.1694, 0.2684



21.8692, 0.3498, 0.2432

Complementary

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



21.8692, 0.4190, 0.4694



4.8598, 0.1838, 0.1279

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.



21.8692, 0.2644, 0.2104



21.8692, 0.4190, 0.4694



21.8692, 0.1712, 0.2180

Square

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



21.8692, 0.4190, 0.4694



21.8692, 0.1995, 0.3531



21.8692, 0.2028, 0.2006



21.8692, 0.4343, 0.2934

Rectangle

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



21.8692, 0.4190, 0.4694



21.8692, 0.2873, 0.4674



21.8692, 0.2028, 0.2006



21.8692, 0.3198, 0.2300

Sweetspot

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



21.8702, 0.4190, 0.4694



44.3102, 0.3466, 0.3770



7.5310, 0.5166, 0.3095



9.8251, 0.3503, 0.3821



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.8702, 0.4190, 0.4694



37.1346, 0.4337, 0.4834



22.4786, 0.3613, 0.5129



6.1786, 0.3261, 0.3483



18.4174, 0.4410, 0.4880



0.1959, 0.4292, 0.4974

Inverse Universe

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



4.8598, 0.1838, 0.1279



5.4817, 0.1627, 0.0897



5.0650, 0.2189, 0.1269



5.3509, 0.2990, 0.3090



2.1210, 0.1531, 0.0711



0.0363, 0.1657, 0.1164

Previews

White Background



This preview shows how the Yxy color 21.8692, 0.4190, 0.4694 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 21.8692, 0.4190, 0.4694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

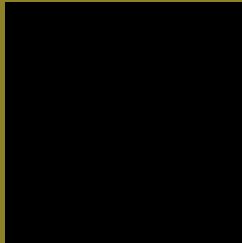
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8692, 0.4190, 0.4694

Background



This preview shows how black text looks on a background with the Yxy color 21.8692, 0.4190, 0.4694.



This preview shows how white text looks on a background with the Yxy color 21.8692, 0.4190, 0.4694.

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

21.8692, 0.4190, 0.4694

Protanopia

21.7830, 0.4227, 0.4665

Deuteranopia

21.6706, 0.4503, 0.4416



Tritanopia

21.7030, 0.3358, 0.3124

Trichromacy



Original Color

21.8692, 0.4190, 0.4694

Protanomaly

21.6934, 0.4214, 0.4673

Deuteranomaly

21.7044, 0.4387, 0.4517

Tritanomaly

21.4081, 0.3715, 0.3740

Monochromacy



Original Color

21.8692, 0.4190, 0.4694

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.4578, 0.3556, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8692, 0.4190, 0.4694 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(142, 130, 40)` looks like.

```
.text, #text, p{  
    color:rgb(142, 130, 40)  
}
```

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(142, 130, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 130, 40) }
```

Border

The CSS property to change the border of an element to Yxy 21.8692, 0.4190, 0.4694 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(142, 130, 40) }
```

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

```
.border{ border-color:rgb(142, 130, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 130, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 130, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 130, 40);  
box-shadow:4px 4px 4px 4px rgb(142, 130,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8692, 0.4190, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 130, 40) }
```

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

```
.background{ background-color: rgb(142,  
130, 40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor