

Converting Colors

$Y_{xy}(21.9149, 0.3794, 0.4509)$

Have a look what the booklet for
Yxy(21.9149, 0.3794, 0.4509)
contains.

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Color

Yxy(21.8238, 0.3796, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	818541
RGB	129, 133, 65
RGB Percent	51%, 52%, 25%
CMY	0.4940, 0.4784, 0.7451
CMYK	0.03, 0.00, 0.51, 0.48
HSL	64°, 34%, 39%
HSV	64°, 51%, 52%
XYZ	18.3973, 21.8238, 8.2439
YIQ	124.0520, 19.4440, -21.9960

Conversions

Conversions Part 2

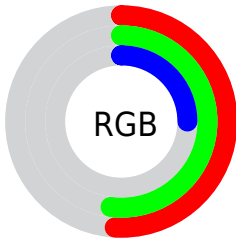
Format	Color
RYB	65, 133, 69
Decimal	8488257
CIELab	53.84, -11.80, 35.80
CIELCh	54, 37.699, 108.246
Yxy	21.8238, 0.3796, 0.4503
Android (android.graphics.Color)	4286678337 (0xFF818541)
YUV	124.0520, -29.1126, 4.3394
Hunter-Lab	46.7160, -11.4574, 22.2383

Details

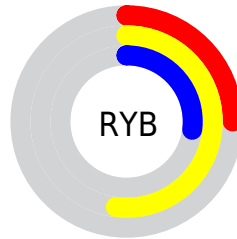
The Yxy color **21.8238, 0.3796, 0.4503** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **6.7387, 0.2236, 0.1757**, and the grayscale version is **20.2697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4229, 0.3664, 0.4233**, and **8.0008, 0.3971, 0.4954** is the 20% darker color. If you saturate the color by 10%, you get **21.6277, 0.3899, 0.4701**, and if you desaturate by 10%, it is **22.0587, 0.3677, 0.4281**.

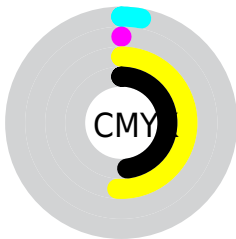
Distribution



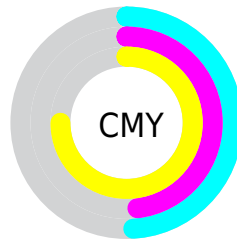
- Red (51%)
- Green (52%)
- Blue (25%)



- Red (25%)
- Yellow (52%)
- Blue (27%)



- Cyan (3%)
- Magenta (0%)
- Yellow (51%)
- Black (48%)





- Cyan (49%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8238, 0.3796, 0.4503 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 21.8238, 0.3796, 0.4503 by changing the saturation by 10% instead.


 21.8238, 0.3796,
0.4503


 21.8238, 0.3796,
0.4503


261.6247, 0.3445,
0.3817


 13.7275, 0.3879,
0.4697


 46.4546, 0.3669,
0.4235

 7.9314, 0.3975,
0.4954

 63.7579, 0.3620,
0.4140


 4.0511, 0.4129,
0.5379

 84.8989, 0.3579,
0.4062

 1.7022, 0.4159,
0.5841

 110.2622, 0.3544,
0.3997

 0.4251, 0.2142,
0.7858

 140.2320, 0.3514,
0.3942

 0.0000, 0.0000,
0.0000

175.1927, 0.3488,

0.3894

215.5289, 0.3465,
0.3853

■ 21.8238, 0.3796,
0.4503

■ 21.8238, 0.3796,
0.4503

■ 21.6277, 0.3899,
0.4701

■ 22.0587, 0.3677,
0.4281

■ 21.4648, 0.3982,
0.4866

■ 22.3316, 0.3547,
0.4043

■ 21.3331, 0.4041,
0.4992

■ 22.6459, 0.3412,
0.3798

■ 21.2292, 0.4076,
0.5077

■ 23.0033, 0.3276,
0.3554

■ 21.1509, 0.4094,
0.5131

■ 23.4059, 0.3142,
0.3316

■ 23.8552, 0.3013,
0.3090

■ 24.3531, 0.2892,
0.2878

■ 24.9010, 0.2778,
0.2681

■ 25.5004, 0.2674,
0.2500

Harmonies

Analogous

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



21.8238, 0.4292, 0.4187



21.8238, 0.3796, 0.4503



21.8238, 0.3150, 0.4448

Triad

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



21.8238, 0.3796, 0.4503



21.8238, 0.1939, 0.2648



21.8238, 0.3679, 0.2736

Complementary

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



21.8238, 0.3796, 0.4503



6.7387, 0.2236, 0.1757

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.



21.8238, 0.2984, 0.2401



21.8238, 0.3796, 0.4503



21.8238, 0.2042, 0.2321

Square

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



21.8238, 0.3796, 0.4503



21.8238, 0.2103, 0.3235



21.8238, 0.2400, 0.2250



21.8238, 0.4253, 0.3194

Rectangle

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



21.8238, 0.3796, 0.4503



21.8238, 0.2724, 0.4153



21.8238, 0.2400, 0.2250



21.8238, 0.3447, 0.2607

Sweetspot

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



21.8248, 0.3796, 0.4503



40.9166, 0.3333, 0.3656



9.5511, 0.4471, 0.3358



9.1924, 0.3358, 0.3700



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.



21.8248, 0.3796, 0.4503



38.6925, 0.3911, 0.4723



19.6212, 0.3380, 0.4695



5.4095, 0.3249, 0.3505



20.1487, 0.4094, 0.5131



0.0708, 0.4147, 0.5089

Inverse Universe

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



6.7387, 0.2236, 0.1757



8.5702, 0.2014, 0.1388



8.3225, 0.2699, 0.1929



4.5566, 0.3000, 0.3066



1.6621, 0.1527, 0.0615



0.0066, 0.1649, 0.0682

Previews

White Background



This preview shows how the Yxy color 21.8238, 0.3796, 0.4503 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 21.8238, 0.3796, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

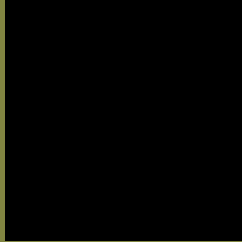
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8238, 0.3796, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 21.8238, 0.3796, 0.4503.



This preview shows how white text looks on a background with the Yxy color 21.8238, 0.3796, 0.4503.

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

21.8238, 0.3796, 0.4503

Protanopia

21.8215, 0.4005, 0.4385

Deuteranopia

21.8524, 0.4226, 0.4155



Tritanopia

21.7349, 0.3159, 0.3118

Trichromacy



Original Color

21.8238, 0.3796, 0.4503

Protanomaly

21.6538, 0.3932, 0.4429

Deuteranomaly

21.7870, 0.4058, 0.4285

Tritanomaly

21.6325, 0.3403, 0.3614

Monochromacy



Original Color

21.8238, 0.3796, 0.4503

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5936, 0.3386, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8238, 0.3796, 0.4503 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(129, 133, 65)` looks like.

```
.text, #text, p{  
    color:rgb(129, 133, 65)  
}
```

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(129, 133, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 133, 65) }
```

Border

The CSS property to change the border of an element to Yxy 21.8238, 0.3796, 0.4503 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(129, 133, 65) }
```

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

```
.border{ border-color:rgb(129, 133, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 133, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 133, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 133, 65);  
box-shadow:4px 4px 4px 4px rgb(129, 133,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8238, 0.3796, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 133, 65) }
```

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

```
.background{ background-color: rgb(129,  
133, 65) }
```

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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