

Converting Colors

$Y_{xy}(22.9132, 0.4033, 0.5055)$

Have a look what the booklet for
Yxy(22.9132, 0.4033, 0.5055)
contains.

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Color

Yxy(22.8946, 0.4034, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	818A14
RGB	129, 138, 20
RGB Percent	51%, 54%, 8%
CMY	0.4942, 0.4588, 0.9213
CMYK	0.07, 0.00, 0.85, 0.46
HSL	65°, 75%, 31%
HSV	65°, 85%, 54%
XYZ	18.2668, 22.8946, 4.1207
YIQ	121.8570, 32.5140, -38.6060

Conversions

Conversions Part 2

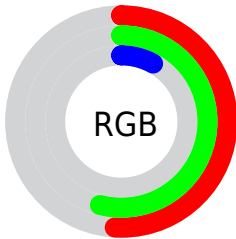
Format	Color
R_YB	20, 138, 29
Decimal	8489492
CIE Lab	54.96, -17.33, 55.20
CIE LCh	55, 57.861, 107.433
Yxy	22.8946, 0.4034, 0.5056
Android (android.graphics.Color)	4286679572 (0xFF818A14)
YUV	121.8570, -50.2155, 6.2644
Hunter-Lab	47.8483, -15.5896, 28.3878

Details

The Yxy color **22.8946, 0.4034, 0.5056** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.6000, 0.1660, 0.0807**, and the grayscale version is **19.5740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1117, 0.3908, 0.4703**, and **8.5159, 0.3972, 0.5228** is the 20% darker color. If you saturate the color by 10%, you get **22.7764, 0.4056, 0.5128**, and if you desaturate by 10%, it is **23.0427, 0.3989, 0.4945**.

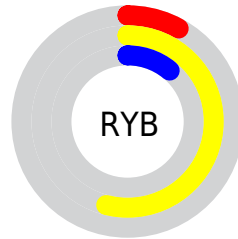
Distribution



Red (51%)

Green (54%)

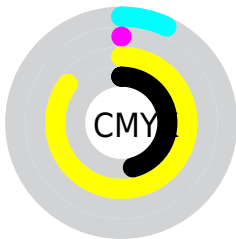
Blue (8%)



Red (8%)

Yellow (54%)

Blue (11%)

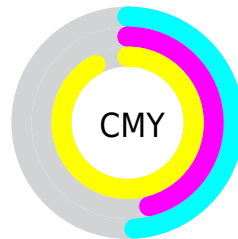


Cyan (7%)

Magenta (0%)

Yellow (85%)

Black (46%)



Cyan (49%)


Magenta (46%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8946, 0.4034, 0.5056 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 22.8946, 0.4034, 0.5056 by changing the saturation by 10% instead.


 22.8946, 0.4034,
0.5056


 22.8946, 0.4034,
0.5056


267.1832, 0.3610,
0.4097


 14.5157, 0.4096,
0.5288


 48.2202, 0.3903,
0.4703


 8.4802, 0.4162,
0.5603

 65.9357, 0.3845,
0.4570

 4.4037, 0.4108,
0.5892

 87.5322, 0.3793,
0.4458

 1.9019, 0.3850,
0.6150

 113.3940, 0.3747,
0.4364

 0.5495, 0.1528,
0.8472

 143.9057, 0.3707,
0.4282

 0.0000, 0.0000,
0.0000

 179.4515, 0.3671,

0.4212

220.4158, 0.3638,
0.4151

22.8946, 0.4034,
0.5056

22.8946, 0.4034,
0.5056

22.7764, 0.4056,
0.5128

23.0427, 0.3989,
0.4945

22.7257, 0.4063,
0.5156

23.2226, 0.3919,
0.4793

23.4387, 0.3828,
0.4605

23.6940, 0.3718,
0.4389

23.9913, 0.3596,
0.4154

■ 24.3329, 0.3465,
0.3908

■ 24.7211, 0.3331,
0.3661

■ 25.1580, 0.3198,
0.3418

■ 25.6455, 0.3069,
0.3186

Harmonies

Analogous

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



22.8946, 0.4783, 0.4459



22.8946, 0.4034, 0.5056



22.8946, 0.3110, 0.5132

Triad

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



22.8946, 0.4034, 0.5056



22.8946, 0.1466, 0.2326



22.8946, 0.3910, 0.2475

Complementary

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



22.8946, 0.4034, 0.5056



2.6000, 0.1660, 0.0807

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.



22.8946, 0.2863, 0.2037



22.8946, 0.4034, 0.5056



22.8946, 0.1600, 0.1909

Square

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



22.8946, 0.4034, 0.5056



22.8946, 0.1664, 0.3181



22.8946, 0.2058, 0.1835



22.8946, 0.4808, 0.3075

Rectangle

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



22.8946, 0.4034, 0.5056



22.8946, 0.2507, 0.4692



22.8946, 0.2058, 0.1835



22.8946, 0.3553, 0.2306

Sweetspot

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



22.8957, 0.4034, 0.5056



42.8167, 0.3479, 0.3935



6.2815, 0.5926, 0.3377



9.5624, 0.3519, 0.4008



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.8957, 0.4034, 0.5056



40.0230, 0.4060, 0.5158



19.5757, 0.3358, 0.5558



5.8258, 0.3247, 0.3507



20.8368, 0.4064, 0.5155



0.1411, 0.4132, 0.5101

Inverse Universe

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



2.6000, 0.1660, 0.0807



3.3251, 0.1525, 0.0614



4.3589, 0.2333, 0.1161



4.9094, 0.3002, 0.3065



1.7479, 0.1535, 0.0619



0.0137, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 22.8946, 0.4034, 0.5056 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 22.8946, 0.4034, 0.5056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

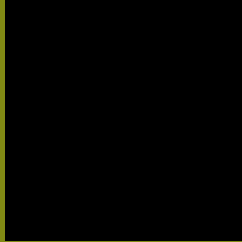
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8946, 0.4034, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 22.8946, 0.4034, 0.5056.



This preview shows how white text looks on a background with the Yxy color 22.8946, 0.4034, 0.5056.

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

22.8946, 0.4034, 0.5056

Protanopia

22.8421, 0.4348, 0.4828

Deuteranopia

22.8629, 0.4611, 0.4528



Tritanopia

22.7623, 0.3147, 0.3120

Trichromacy



Original Color

22.8946, 0.4034, 0.5056

Protanomaly

22.7599, 0.4233, 0.4909

Deuteranomaly

22.8121, 0.4404, 0.4716

Tritanomaly

22.4796, 0.3570, 0.3952

Monochromacy



Original Color

22.8946, 0.4034, 0.5056

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4542, 0.3572, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8946, 0.4034, 0.5056 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, 138, 20)` looks like.

```
.text, #text, p{  
    color:rgb(129, 138, 20)  
}
```

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, 138, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 138, 20) }
```

Border

The CSS property to change the border of an element to Yxy 22.8946, 0.4034, 0.5056 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, 138, 20) }
```

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

```
.border{ border-color:rgb(129, 138, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 138, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 138, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 138, 20);  
box-shadow:4px 4px 4px 4px rgb(129, 138,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8946, 0.4034, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 138, 20) }
```

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

```
.background{ background-color: rgb(129,  
138, 20) }
```

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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