

Converting Colors

$Y_{xy}(22.7043, 0.4077, 0.5145)$

Have a look what the booklet for
Yxy(22.7043, 0.4077, 0.5145)
contains.

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Color

$Y_{xy}(22.7662, 0.4070, 0.5150)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 808A00 |
| RGB | 128, 138, 0 |
| RGB Percent | 50%, 54%, 0% |
| CMY | 0.4980, 0.4588, 0.9997 |
| CMYK | 0.07, 0.00, 1.00, 0.46 |
| HSL | 64°, 100%, 27% |
| HSV | 64°, 100%, 54% |
| XYZ | 17.9919, 22.7662, 3.4481 |
| YIQ | 119.2780, 38.3380, -45.0380 |

Conversions

Conversions Part 2

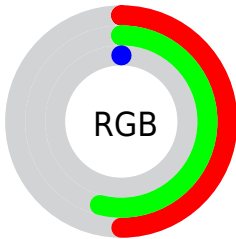
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 138, 10 |
| Decimal | 8423936 |
| CIELab | 54.83, -18.22, 58.85 |
| CIELCh | 55, 61.601, 107.200 |
| Yxy | 22.7662, 0.4070, 0.5150 |
| Android (android.graphics.Color) | 4286614016 (0xFF808A00) |
| YUV | 119.2780, -58.8041, 7.6492 |
| Hunter-Lab | 47.7139, -16.1908, 29.1151 |

Details

The Yxy color **22.7662, 0.4070, 0.5150** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **1.9018, 0.1532, 0.0618**, and the grayscale version is **18.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8693, 0.3946, 0.4790**, and **8.4753, 0.3954, 0.5243** is the 20% darker color. If you saturate the color by 10%, you get **22.7666, 0.4070, 0.5150**, and if you desaturate by 10%, it is **22.8764, 0.4052, 0.5088**.

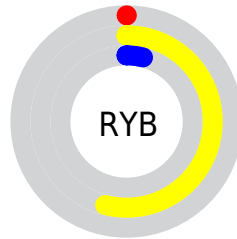
Distribution



Red (50%)

Green (54%)

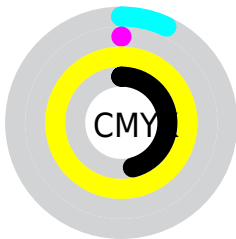
Blue (0%)



Red (0%)

Yellow (54%)

Blue (4%)

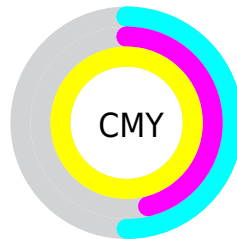


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (50%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7662, 0.4070, 0.5150 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 22.7662, 0.4070, 0.5150 by changing the saturation by 10% instead.


 22.7662, 0.4070,
0.5150

 22.7662, 0.4070,
0.5150


266.5219, 0.3641,
0.4150


 14.4210, 0.4122,
0.5382


 48.0091, 0.3944,
0.4788

 8.4140, 0.4204,
0.5739


 65.6756, 0.3886,
0.4649

 4.3610, 0.4065,
0.5935

 87.2180, 0.3833,
0.4532

 1.8775, 0.3792,
0.6208

 113.0207, 0.3786,
0.4432

 0.5348, 0.1063,
0.8937


 143.4680, 0.3743,
0.4346

 0.0000, 0.0000,
0.0000

 178.9444, 0.3705,


0.4272

 219.8342, 0.3672,
0.4207

 22.7662, 0.4070,
0.5150


 22.7662, 0.4070,
0.5150


 22.7666, 0.4070,
0.5150

 22.8764, 0.4052,
0.5088

 23.0060, 0.4018,
0.4996

 23.1666, 0.3958,
0.4862

 23.3619, 0.3875,
0.4691

 23.5951, 0.3773,
0.4487

■ 23.8689, 0.3655,
0.4260

■ 24.1859, 0.3526,
0.4018

■ 24.5484, 0.3392,
0.3771

■ 24.9585, 0.3258,
0.3526

Harmonies

Analogous

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



22.7662, 0.4867, 0.4491



22.7662, 0.4070, 0.5150



22.7662, 0.3098, 0.5272

Triad

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



22.7662, 0.4070, 0.5150



22.7662, 0.1384, 0.2267



22.7662, 0.3949, 0.2424

Complementary

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



22.7662, 0.4070, 0.5150



1.9018, 0.1532, 0.0618

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.



22.7662, 0.2834, 0.1971



22.7662, 0.4070, 0.5150



22.7662, 0.1522, 0.1837

Square

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



22.7662, 0.4070, 0.5150



22.7662, 0.1586, 0.3172



22.7662, 0.1993, 0.1762



22.7662, 0.4912, 0.3046

Rectangle

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



22.7662, 0.4070, 0.5150



22.7662, 0.2465, 0.4809



22.7662, 0.1993, 0.1762



22.7662, 0.3566, 0.2249

Sweetspot

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



22.7673, 0.4070, 0.5150



42.5896, 0.3535, 0.4035



5.6049, 0.6332, 0.3353



9.5055, 0.3583, 0.4124



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.



22.7673, 0.4070, 0.5150



40.1005, 0.4067, 0.5152



19.1333, 0.3297, 0.5764



5.8268, 0.3248, 0.3507



20.8762, 0.4070, 0.5150



0.1412, 0.4136, 0.5098

Inverse Universe

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



1.9018, 0.1532, 0.0618



3.3195, 0.1523, 0.0613



3.4664, 0.2182, 0.0976



4.9084, 0.3001, 0.3065



1.7444, 0.1533, 0.0618



0.0136, 0.1683, 0.0701

Previews

White Background



This preview shows how the Yxy color 22.7662, 0.4070, 0.5150 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 22.7662, 0.4070, 0.5150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

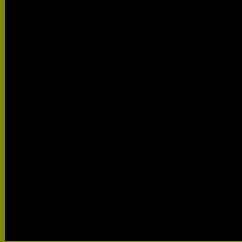
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7662, 0.4070, 0.5150

Background



This preview shows how black text looks on a background with the Yxy color 22.7662, 0.4070, 0.5150.



This preview shows how white text looks on a background with the Yxy color 22.7662, 0.4070, 0.5150.

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

22.7662, 0.4070, 0.5150

Protanopia

22.7984, 0.4393, 0.4894

Deuteranopia

22.4726, 0.4645, 0.4564



Tritanopia

22.6766, 0.3135, 0.3120

Trichromacy



Original Color

22.7662, 0.4070, 0.5150

Protanomaly

22.7129, 0.4280, 0.4983

Deuteranomaly

22.4076, 0.4449, 0.4775

Tritanomaly

22.2754, 0.3634, 0.4079

Monochromacy



Original Color

22.7662, 0.4070, 0.5150

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5811, 0.3642, 0.4247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7662, 0.4070, 0.5150 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(128, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 138, 0)  
}
```

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(128, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.7662, 0.4070, 0.5150 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(128, 138, 0) }
```

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

```
.border{ border-color:rgb(128, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7662, 0.4070, 0.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 138, 0) }
```

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

```
.background{ background-color: rgb(128,  
138, 0) }
```

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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