

Converting Colors

$Y_{xy}(22.4442, 0.3880, 0.5301)$

Have a look what the booklet for
Yxy(22.4442, 0.3880, 0.5301)
contains.

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Color

Yxy(22.4010, 0.3888, 0.5295)

Conversions

Conversions Part 1

Format	Color
Hex	738C00
RGB	115, 140, 0
RGB Percent	45%, 55%, 0%
CMY	0.5490, 0.4510, 1.0000
CMYK	0.18, 0.00, 1.00, 0.45
HSL	71°, 100%, 27%
HSV	71°, 100%, 55%
XYZ	16.4486, 22.4010, 3.4564
YIQ	116.5650, 30.0400, -48.8400

Conversions

Conversions Part 2

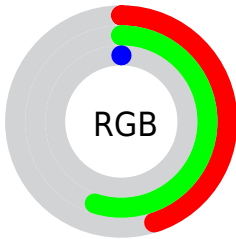
Format	Color
RYB	0, 140, 25
Decimal	7572480
CIELab	54.45, -25.03, 58.14
CIELCh	54, 63.298, 113.293
Yxy	22.4010, 0.3888, 0.5295
Android (android.graphics.Color)	4285762560 (0xFF738C00)
YUV	116.5650, -57.4665, -1.3725
Hunter-Lab	47.3297, -20.7926, 28.8010

Details

The Yxy color **22.4010, 0.3888, 0.5295** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.1002, 0.1596, 0.0653**, and the grayscale version is **17.8223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5470, 0.3799, 0.4894**, and **8.3365, 0.3690, 0.5452** is the 20% darker color. If you saturate the color by 10%, you get **22.4020, 0.3888, 0.5295**, and if you desaturate by 10%, it is **22.6055, 0.3889, 0.5214**.

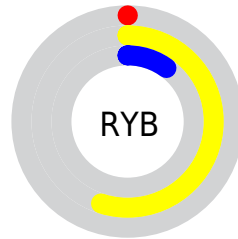
Distribution



Red (45%)

Green (55%)

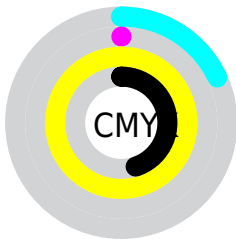
Blue (0%)



Red (0%)

Yellow (55%)

Blue (10%)

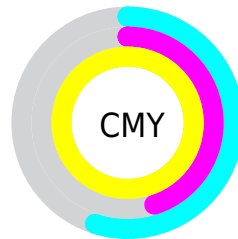


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (55%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4010, 0.3888, 0.5295 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 22.4010, 0.3888, 0.5295 by changing the saturation by 10% instead.


 22.4010, 0.3888,
0.5295

 22.4010, 0.3888,
0.5295


 264.6333, 0.3564,
0.4189


 14.1518, 0.3908,
0.5567


 47.4079, 0.3804,
0.4884


 8.2264, 0.3945,
0.5991


 64.9344, 0.3760,
0.4730


 4.2401, 0.3739,
0.6261

 86.3221, 0.3719,
0.4601

 1.8088, 0.3350,
0.6650

 111.9555, 0.3682,
0.4492

 0.4926, 0.0000,
1.0000


 142.2189, 0.3648,
0.4399


 0.0000, 0.0000,
0.0000


 177.4968, 0.3617,


0.4319


 218.1734, 0.3589,
0.4250


 22.4010, 0.3888,
0.5295


 22.4010, 0.3888,
0.5295

 22.4020, 0.3888,
0.5295

 22.6055, 0.3889,
0.5214

 22.8341, 0.3873,
0.5101

 23.0986, 0.3832,
0.4946

 23.4027, 0.3768,
0.4753

 23.7499, 0.3684,
0.4530

■ 24.1432, 0.3584,
0.4287

■ 24.5851, 0.3475,
0.4034

■ 25.0780, 0.3359,
0.3779

■ 25.6244, 0.3242,
0.3529

Harmonies

Analogous

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



22.4010, 0.4765, 0.4664



22.4010, 0.3888, 0.5295



22.4010, 0.2883, 0.5251

Triad

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



22.4010, 0.3888, 0.5295



22.4010, 0.1345, 0.2109



22.4010, 0.4209, 0.2518

Complementary

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



22.4010, 0.3888, 0.5295



2.1002, 0.1596, 0.0653

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.



22.4010, 0.3042, 0.2013



22.4010, 0.3888, 0.5295



22.4010, 0.1552, 0.1758

Square

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



22.4010, 0.3888, 0.5295



22.4010, 0.1472, 0.2930



22.4010, 0.2105, 0.1747



22.4010, 0.5099, 0.3172

Rectangle

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



22.4010, 0.3888, 0.5295



22.4010, 0.2260, 0.4637



22.4010, 0.2105, 0.1747



22.4010, 0.3820, 0.2328

Sweetspot

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



22.4020, 0.3888, 0.5295



43.2909, 0.3482, 0.4050



6.2018, 0.6203, 0.3457



9.9065, 0.3524, 0.4145



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.



22.4020, 0.3888, 0.5295



39.4314, 0.3881, 0.5300



19.3535, 0.3186, 0.5852



5.8006, 0.3232, 0.3508



19.9120, 0.3889, 0.5294



0.1377, 0.4046, 0.5170

Inverse Universe

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



2.1002, 0.1596, 0.0653



3.6506, 0.1582, 0.0645



4.2382, 0.2401, 0.1096



4.9324, 0.3016, 0.3066



1.8727, 0.1599, 0.0654



0.0171, 0.1928, 0.0836

Previews

White Background



This preview shows how the Yxy color 22.4010, 0.3888, 0.5295 looks on a white background.

Color Contrast Check

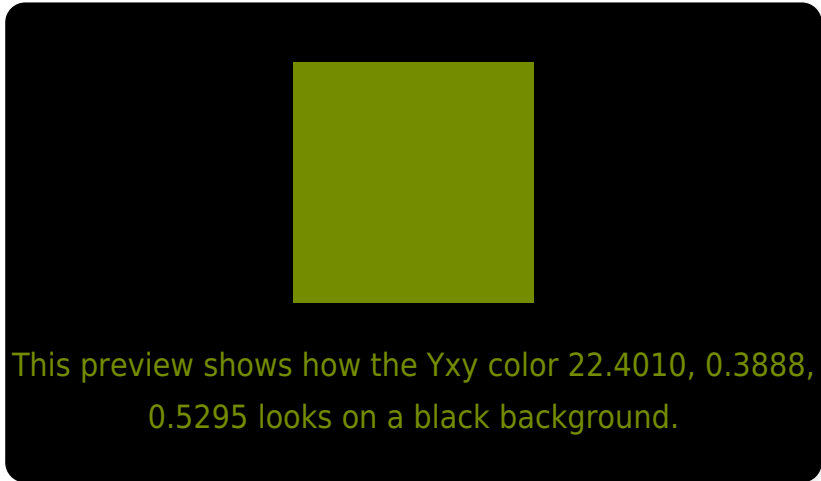
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

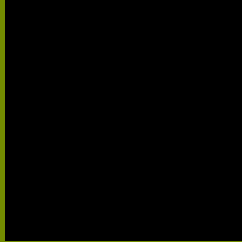
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4010, 0.3888, 0.5295

Background



This preview shows how black text looks on a background with the Yxy color 22.4010, 0.3888, 0.5295.



This preview shows how white text looks on a background with the Yxy color 22.4010, 0.3888, 0.5295.

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

22.4010, 0.3888, 0.5295

Protanopia

22.1683, 0.4408, 0.4882

Deuteranopia

22.1286, 0.4634, 0.4544



Tritanopia

22.2943, 0.2977, 0.3114

Trichromacy



Original Color

22.4010, 0.3888, 0.5295

Protanomaly

22.2011, 0.4206, 0.5043

Deuteranomaly

21.8489, 0.4369, 0.4822

Tritanomaly

21.9090, 0.3465, 0.4136

Monochromacy



Original Color

22.4010, 0.3888, 0.5295

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8746, 0.3590, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4010, 0.3888, 0.5295 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(115, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 140, 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(115, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.4010, 0.3888, 0.5295 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(115, 140, 0) }
```

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

```
.border{ border-color:rgb(115, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 140,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4010, 0.3888, 0.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 140, 0) }
```

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

```
.background{ background-color: rgb(115,  
140, 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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