

Converting Colors

$Y_{xy}(22.0062, 0.3234, 0.5815)$

Have a look what the booklet for
Yxy(22.0062, 0.3234, 0.5815)
contains.

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Color

Yxy(22.0497, 0.3236, 0.5812)

Conversions

Conversions Part 1

Format	Color
Hex	399400
RGB	57, 148, 0
RGB Percent	22%, 58%, 0%
CMY	0.7766, 0.4196, 0.9996
CMYK	0.62, 0.00, 1.00, 0.42
HSL	97°, 100%, 29%
HSV	97°, 100%, 58%
XYZ	12.2768, 22.0497, 3.6117
YIQ	103.9190, -6.7280, -65.3200

Conversions

Conversions Part 2

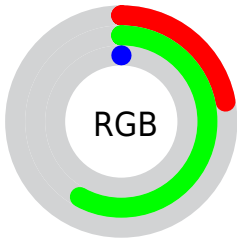
Format	Color
RYB	0, 148, 91
Decimal	3773440
CIELab	54.08, -49.32, 56.57
CIElCh	54, 75.048, 131.086
Yxy	22.0497, 0.3236, 0.5812
Android (android.graphics.Color)	4281963520 (0xFF399400)
YUV	103.9190, -51.2321, -41.1480
Hunter-Lab	46.9571, -35.5066, 28.3097

Details

The Yxy color **22.0497, 0.3236, 0.5812** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.3715, 0.2282, 0.1031**, and the grayscale version is **13.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8545, 0.3307, 0.5229**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.0485, 0.3236, 0.5813**, and if you desaturate by 10%, it is **22.3767, 0.3282, 0.5681**.

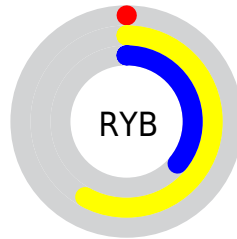
Distribution



Red (22%)

Green (58%)

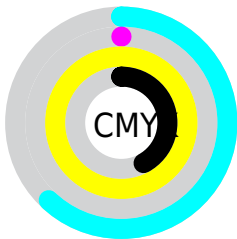
Blue (0%)



Red (0%)

Yellow (58%)

Blue (36%)

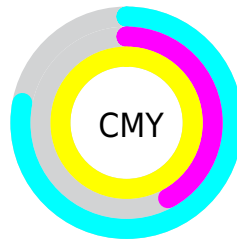


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (78%)


Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0497, 0.3236, 0.5812 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 22.0497, 0.3236, 0.5812 by changing the saturation by 10% instead.


 22.0497, 0.3236,
0.5812


 22.0497, 0.3236,
0.5812

262.8057, 0.3297,
0.4333


 13.8934, 0.3140,
0.6226


 46.8281, 0.3307,
0.5230


 8.0466, 0.2999,
0.6870


 64.2191, 0.3316,
0.5023


 4.1248, 0.2574,
0.7426

 85.4570, 0.3319,
0.4853

 1.7436, 0.1373,
0.8627

 110.9264, 0.3317,
0.4713

 0.4516, 0.0000,
1.0000


 141.0115, 0.3313,
0.4595


 0.0000, 0.0000,
0.0000


 176.0969, 0.3308,

0.4494

 216.5668, 0.3302,
0.4408


 22.0497, 0.3236,
0.5812

 22.0497, 0.3236,
0.5812


 22.0485, 0.3236,
0.5813

 22.3767, 0.3282,
0.5681

 22.7772, 0.3319,
0.5502

 23.2659, 0.3338,
0.5270

 23.8491, 0.3340,
0.4996

 24.5326, 0.3326,
0.4698

■ 25.3217, 0.3299,
0.4391

■ 26.2212, 0.3263,
0.4089

■ 27.2355, 0.3220,
0.3801

■ 28.3689, 0.3174,
0.3533

Harmonies

Analogous

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



22.0497, 0.4353, 0.5304



22.0497, 0.3236, 0.5812



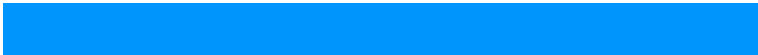
22.0497, 0.2149, 0.5050

Triad

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



22.0497, 0.3236, 0.5812



22.0497, 0.1212, 0.1641



22.0497, 0.5120, 0.2799

Complementary

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



22.0497, 0.3236, 0.5812



4.3715, 0.2282, 0.1031

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.



22.0497, 0.3827, 0.2138



22.0497, 0.3236, 0.5812



22.0497, 0.1648, 0.1508

Square

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



22.0497, 0.3236, 0.5812



22.0497, 0.1121, 0.2197



22.0497, 0.2518, 0.1683



22.0497, 0.5648, 0.3551

Rectangle

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



22.0497, 0.3236, 0.5812



22.0497, 0.1594, 0.3951



22.0497, 0.2518, 0.1683



22.0497, 0.4742, 0.2564

Sweetspot

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



22.0506, 0.3236, 0.5812



46.1502, 0.3266, 0.4109



13.4156, 0.5096, 0.4335



10.3922, 0.3280, 0.4224



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.0506, 0.3236, 0.5812



38.8085, 0.3222, 0.5823



21.2160, 0.2976, 0.5914



6.5706, 0.3171, 0.3515



18.8465, 0.3240, 0.5809



0.2467, 0.3585, 0.5535

Inverse Universe

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



4.3715, 0.2282, 0.1031



7.6037, 0.2264, 0.1021



7.9980, 0.3473, 0.1687



5.7990, 0.3080, 0.3068



3.7459, 0.2287, 0.1033



0.0629, 0.2715, 0.1269

Previews

White Background



This preview shows how the Yxy color 22.0497, 0.3236, 0.5812 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 22.0497, 0.3236, 0.5812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

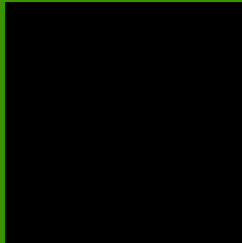
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0497, 0.3236, 0.5812

Background



This preview shows how black text looks on a background with the Yxy color 22.0497, 0.3236, 0.5812.



This preview shows how white text looks on a background with the Yxy color 22.0497, 0.3236, 0.5812.

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

22.0497, 0.3236, 0.5812

Protanopia

21.7203, 0.4397, 0.4891

Deuteranopia

21.6994, 0.4594, 0.4509



Tritanopia

22.1407, 0.2503, 0.3080

Trichromacy



Original Color

22.0497, 0.3236, 0.5812

Protanomaly

21.1190, 0.3905, 0.5282

Deuteranomaly

20.5682, 0.4049, 0.5031

Tritanomaly

21.5887, 0.2880, 0.4292

Monochromacy



Original Color

22.0497, 0.3236, 0.5812

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.8525, 0.3315, 0.4518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0497, 0.3236, 0.5812 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(57, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 148, 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(57, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0497, 0.3236, 0.5812 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(57, 148, 0) }
```

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

```
.border{ border-color:rgb(57, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 148, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0497, 0.3236, 0.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 148, 0) }
```

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

```
.background{ background-color: rgb(57, 148,  
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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