

Converting Colors

$Y_{xy}(22.3390, 0.3611, 0.5505)$

Have a look what the booklet for
Yxy(22.3390, 0.3611, 0.5505)
contains.

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Color

Yxy(22.3838, 0.3614, 0.5501)

Conversions

Conversions Part 1

Format	Color
Hex	5F9002
RGB	95, 144, 2
RGB Percent	37%, 56%, 1%
CMY	0.6273, 0.4353, 0.9924
CMYK	0.34, 0.00, 0.99, 0.44
HSL	81°, 97%, 29%
HSV	81°, 99%, 56%
XYZ	14.7055, 22.3838, 3.6011
YIQ	113.1610, 16.3780, -54.5500

Conversions

Conversions Part 2

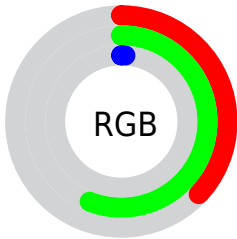
Format	Color
R_YB	2, 144, 51
Decimal	6262786
CIE Lab	54.43, -35.16, 57.24
CIE LCh	54, 67.175, 121.565
Yxy	22.3838, 0.3614, 0.5501
Android (android.graphics.Color)	4284452866 (0xFF5F9002)
YUV	113.1610, -54.8024, -15.9272
Hunter-Lab	47.3115, -27.3132, 28.6052

Details

The Yxy color **22.3838, 0.3614, 0.5501** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.7576, 0.1795, 0.0771**, and the grayscale version is **16.7269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3144, 0.3591, 0.5016**, and **8.3001, 0.3336, 0.5734** is the 20% darker color. If you saturate the color by 10%, you get **22.3447, 0.3610, 0.5515**, and if you desaturate by 10%, it is **22.6935, 0.3640, 0.5391**.

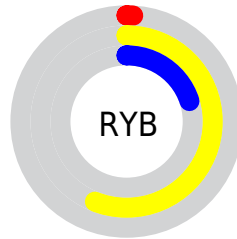
Distribution



Red (37%)

Green (56%)

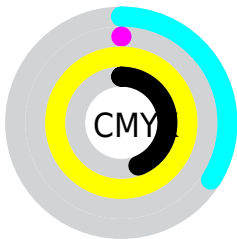
Blue (1%)



Red (1%)

Yellow (56%)

Blue (20%)

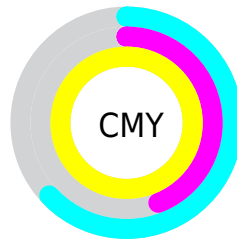


Cyan (34%)

Magenta (0%)

Yellow (99%)

Black (44%)



Cyan (63%)


Magenta (44%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3838, 0.3614, 0.5501 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 22.3838, 0.3614, 0.5501 by changing the saturation by 10% instead.


 22.3838, 0.3614,
0.5501


 22.3838, 0.3614,
0.5501


 264.5441, 0.3450,
0.4245


 14.1392, 0.3587,
0.5831


 47.3795, 0.3593,
0.5021


 8.2175, 0.3548,
0.6337


 64.8994, 0.3572,
0.4845


 4.2345, 0.3259,
0.6741

 86.2799, 0.3549,
0.4700

 1.8056, 0.2677,
0.7323

 111.9052, 0.3526,
0.4579

 0.4906, 0.0000,
1.0000


 142.1600, 0.3505,
0.4476

 0.0000, 0.0000,
0.0000

 177.4284, 0.3485,


0.4388


 218.0950, 0.3467,
0.4311


 22.3838, 0.3614,
0.5501


 22.3838, 0.3614,
0.5501

 22.3447, 0.3610,
0.5515

 22.6935, 0.3640,
0.5391

 23.0443, 0.3648,
0.5242

 23.4466, 0.3632,
0.5048

 23.9046, 0.3593,
0.4817

 24.4221, 0.3536,
0.4561

■ 25.0024, 0.3464,
0.4292

■ 25.6486, 0.3382,
0.4020

■ 26.3635, 0.3294,
0.3753

■ 27.1496, 0.3204,
0.3498

Harmonies

Analogous

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



22.3838, 0.4596, 0.4925



22.3838, 0.3614, 0.5501



22.3838, 0.2571, 0.5177

Triad

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



22.3838, 0.3614, 0.5501



22.3838, 0.1295, 0.1902



22.3838, 0.4590, 0.2652

Complementary

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



22.3838, 0.3614, 0.5501



2.7576, 0.1795, 0.0771

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.



22.3838, 0.3364, 0.2076



22.3838, 0.3614, 0.5501



22.3838, 0.1601, 0.1654

Square

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



22.3838, 0.3614, 0.5501



22.3838, 0.1322, 0.2602



22.3838, 0.2281, 0.1728



22.3838, 0.5344, 0.3349

Rectangle

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



22.3838, 0.3614, 0.5501



22.3838, 0.1972, 0.4352



22.3838, 0.2281, 0.1728



22.3838, 0.4201, 0.2441

Sweetspot

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



22.3848, 0.3614, 0.5501



45.0054, 0.3399, 0.4073



8.1552, 0.5806, 0.3751



10.2208, 0.3430, 0.4176



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.3848, 0.3614, 0.5501



39.3170, 0.3599, 0.5524



20.1650, 0.3062, 0.5937



6.1936, 0.3209, 0.3511



19.4719, 0.3613, 0.5513



0.1984, 0.3889, 0.5294

Inverse Universe

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



2.7576, 0.1795, 0.0771



4.6473, 0.1761, 0.0743



6.0721, 0.2805, 0.1326



5.3397, 0.3040, 0.3066



2.3482, 0.1785, 0.0757



0.0338, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 22.3838, 0.3614, 0.5501 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 22.3838, 0.3614, 0.5501 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 22.3838, 0.3614, 0.5501

Background



This preview shows how black text looks on a background with the Yxy color 22.3838, 0.3614, 0.5501.



This preview shows how white text looks on a background with the Yxy color 22.3838, 0.3614, 0.5501.

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

22.3838, 0.3614, 0.5501

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0363, 0.4608, 0.4534



Tritanopia

22.4095, 0.2767, 0.3090

Trichromacy



Original Color

22.3838, 0.3614, 0.5501

Protanomaly

21.8422, 0.4091, 0.5128

Deuteranomaly

21.6829, 0.4233, 0.4904

Tritanomaly

21.9705, 0.3213, 0.4180

Monochromacy



Original Color

22.3838, 0.3614, 0.5501

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.9605, 0.3473, 0.4346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3838, 0.3614, 0.5501 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(95, 144, 2)` looks like.

```
.text, #text, p{  
    color:rgb(95, 144, 2)  
}
```

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(95, 144, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 144, 2) }
```

Border

The CSS property to change the border of an element to Yxy 22.3838, 0.3614, 0.5501 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(95, 144, 2) }
```

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

```
.border{ border-color:rgb(95, 144, 2) }
```

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

Here you see how a box with a 4 pixel rgb(95, 144, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 144, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 144, 2);  
box-shadow:4px 4px 4px 4px rgb(95, 144, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.3838, 0.3614, 0.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 144, 2) }
```

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

```
.background{ background-color: rgb(95, 144,  
2) }
```

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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