

Converting Colors

$Y_{xy}(22.0556, 0.3397, 0.5684)$

Have a look what the booklet for
Yxy(22.0556, 0.3397, 0.5684)
contains.

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Color

Yxy(22.0536, 0.3397, 0.5684)

Conversions

Conversions Part 1

Format	Color
Hex	4B9200
RGB	75, 146, 0
RGB Percent	29%, 57%, 0%
CMY	0.7059, 0.4274, 0.9995
CMYK	0.49, 0.00, 1.00, 0.43
HSL	89°, 100%, 29%
HSV	89°, 100%, 57%
XYZ	13.1802, 22.0536, 3.5657
YIQ	108.1270, 4.5500, -60.4580

Conversions

Conversions Part 2

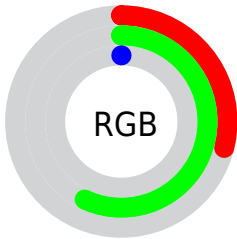
Format	Color
RYB	0, 146, 71
Decimal	4952576
CIELab	54.08, -43.29, 56.85
CIELCh	54, 71.451, 127.287
Yxy	22.0536, 0.3397, 0.5684
Android (android.graphics.Color)	4283142656 (0xFF4B9200)
YUV	108.1270, -53.3066, -29.0524
Hunter-Lab	46.9613, -32.0843, 28.3711

Details

The Yxy color **22.0536, 0.3397, 0.5684** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.4239, 0.2017, 0.0885**, and the grayscale version is **15.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0283, 0.3427, 0.5145**, and **8.0570, 0.3039, 0.5969** is the 20% darker color. If you saturate the color by 10%, you get **22.0516, 0.3397, 0.5685**, and if you desaturate by 10%, it is **22.3908, 0.3439, 0.5559**.

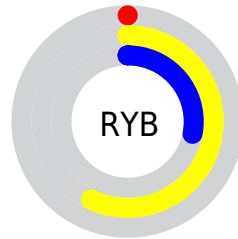
Distribution



Red (29%)

Green (57%)

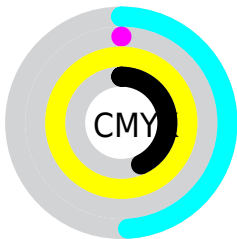
Blue (0%)



Red (0%)

Yellow (57%)

Blue (28%)

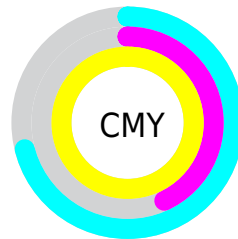


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (71%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0536, 0.3397, 0.5684 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 22.0536, 0.3397, 0.5684 by changing the saturation by 10% instead.


 22.0536, 0.3397,
0.5684


 22.0536, 0.3397,
0.5684


262.8261, 0.3362,
0.4296


 13.8963, 0.3330,
0.6064


 46.8346, 0.3429,
0.5144

 8.0486, 0.3233,
0.6656


 64.2270, 0.3426,
0.4949


 4.1260, 0.2858,
0.7142

 85.4666, 0.3417,
0.4790

 1.7443, 0.1960,
0.8040

 110.9378, 0.3407,
0.4658

 0.4521, 0.0000,
1.0000


 141.0250, 0.3395,
0.4546

 0.0000, 0.0000,
0.0000


 176.1124, 0.3384,

0.4450


 216.5847, 0.3373,
0.4368

 22.0536, 0.3397,
0.5684

 22.0536, 0.3397,
0.5684

 22.0516, 0.3397,
0.5685

 22.3908, 0.3439,
0.5559

 22.7832, 0.3467,
0.5394

 23.2441, 0.3474,
0.5180

 23.7784, 0.3460,
0.4927

 24.3908, 0.3428,
0.4649

■ 25.0854, 0.3381,
0.4360

■ 25.8658, 0.3324,
0.4072

■ 26.7356, 0.3261,
0.3794

■ 27.6980, 0.3194,
0.3531

Harmonies

Analogous

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



22.0536, 0.4461, 0.5143



22.0536, 0.3397, 0.5684



22.0536, 0.2324, 0.5116

Triad

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



22.0536, 0.3397, 0.5684



22.0536, 0.1244, 0.1745



22.0536, 0.4900, 0.2739

Complementary

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



22.0536, 0.3397, 0.5684



3.4239, 0.2017, 0.0885

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.



22.0536, 0.3628, 0.2111



22.0536, 0.3397, 0.5684



22.0536, 0.1626, 0.1566

Square

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



22.0536, 0.3397, 0.5684



22.0536, 0.1200, 0.2360



22.0536, 0.2415, 0.1700



22.0536, 0.5532, 0.3470

Rectangle

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



22.0536, 0.3397, 0.5684



22.0536, 0.1747, 0.4127



22.0536, 0.2415, 0.1700



22.0536, 0.4514, 0.2513

Sweetspot

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



22.0546, 0.3397, 0.5684



45.5261, 0.3328, 0.4092



10.5723, 0.5426, 0.4072



10.0099, 0.3351, 0.4200



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.



22.0546, 0.3397, 0.5684



38.7981, 0.3383, 0.5696



20.5759, 0.3005, 0.5995



6.6059, 0.3189, 0.3513



19.4177, 0.3400, 0.5682



0.2552, 0.3738, 0.5414

Inverse Universe

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



3.4239, 0.2017, 0.0885



5.9299, 0.1997, 0.0873



7.9693, 0.3169, 0.1520



5.7632, 0.3061, 0.3066



3.0211, 0.2021, 0.0887



0.0544, 0.2514, 0.1158

Previews

White Background



This preview shows how the Yxy color 22.0536, 0.3397, 0.5684 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 22.0536, 0.3397, 0.5684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

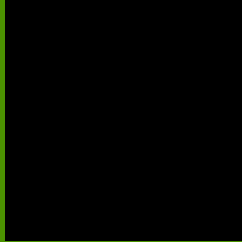
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0536, 0.3397, 0.5684

Background



This preview shows how black text looks on a background with the Yxy color 22.0536, 0.3397, 0.5684.



This preview shows how white text looks on a background with the Yxy color 22.0536, 0.3397, 0.5684.

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

22.0536, 0.3397, 0.5684

Protanopia

21.7203, 0.4397, 0.4891

Deuteranopia

21.6942, 0.4599, 0.4516



Tritanopia

22.0946, 0.2608, 0.3083

Trichromacy



Original Color

22.0536, 0.3397, 0.5684

Protanomaly

21.3210, 0.4004, 0.5203

Deuteranomaly

21.0254, 0.4131, 0.4980

Tritanomaly

21.5906, 0.3013, 0.4244

Monochromacy



Original Color

22.0536, 0.3397, 0.5684

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.8355, 0.3393, 0.4443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0536, 0.3397, 0.5684 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(75, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 146, 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(75, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0536, 0.3397, 0.5684 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(75, 146, 0) }
```

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

```
.border{ border-color:rgb(75, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 146, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0536, 0.3397, 0.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 146, 0) }
```

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

```
.background{ background-color: rgb(75, 146,  
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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