

Converting Colors

Yxy(31.4105, 0.3350, 0.5498)

Have a look what the booklet for
Yxy(31.4105, 0.3350, 0.5498)
contains.

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Color

Yxy(31.4655, 0.3350, 0.5500)

Conversions

Conversions Part 1

Format	Color
Hex	5BAB22
RGB	91, 171, 34
RGB Percent	36%, 67%, 13%
CMY	0.6432, 0.3294, 0.8665
CMYK	0.47, 0.00, 0.80, 0.33
HSL	95°, 67%, 40%
HSV	95°, 80%, 67%
XYZ	19.1654, 31.4655, 6.5791
YIQ	131.4620, -3.7030, -59.5670

Conversions

Conversions Part 2

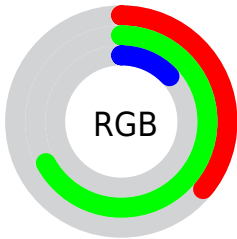
Format	Color
RYB	34, 171, 114
Decimal	6007586
CIELab	62.90, -46.88, 57.55
CIElCh	63, 74.229, 129.166
Yxy	31.4655, 0.3350, 0.5500
Android (android.graphics.Color)	4284197666 (0xFF5BAB22)
YUV	131.4620, -48.0488, -35.4852
Hunter-Lab	56.0941, -37.1777, 32.3119

Details

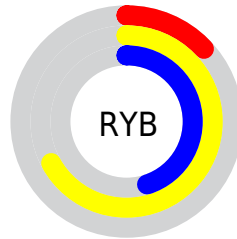
The Yxy color **31.4655, 0.3350, 0.5500** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.6681, 0.2408, 0.1241**, and the grayscale version is **23.0485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9894, 0.3373, 0.5030**, and **13.2037, 0.3114, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **30.9171, 0.3312, 0.5671**, and if you desaturate by 10%, it is **32.1333, 0.3369, 0.5274**.

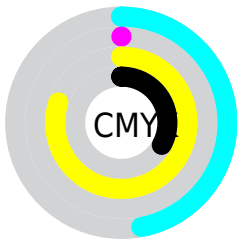
Distribution



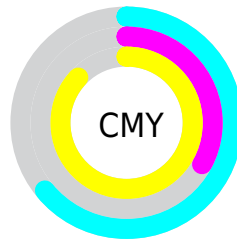
- Red (36%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (45%)



- Cyan (47%)
- Magenta (0%)
- Yellow (80%)
- Black (33%)




- Cyan (64%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4655, 0.3350, 0.5500 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 31.4655, 0.3350, 0.5500 by changing the saturation by 10% instead.


 31.4655, 0.3350,
0.5500

 31.4655, 0.3350,
0.5500


308.6772, 0.3325,
0.4272

 20.9536, 0.3306,
0.5825


 61.9722, 0.3373,
0.5033

 13.0901, 0.3212,
0.6235


 82.7358, 0.3371,
0.4863


 7.4906, 0.3088,
0.6912


 107.6854, 0.3365,
0.4722

 3.7708, 0.2622,
0.7378

 137.2054, 0.3358,
0.4603

 1.5462, 0.1210,
0.8790

 171.6801, 0.3350,
0.4501

 0.3209, 0.0000,
1.0000

 211.4941, 0.3342,

 0.0000, 0.0000,

0.4414

0.0000

257.0316, 0.3333,
0.4338

■ 31.4655, 0.3350,
0.5500

■ 31.4655, 0.3350,
0.5500

■ 30.9171, 0.3312,
0.5671

■ 32.1333, 0.3369,
0.5274

■ 30.4711, 0.3263,
0.5791

■ 32.9254, 0.3369,
0.5005

■ 33.8509, 0.3352,
0.4710

■ 34.9169, 0.3321,
0.4404

■ 36.1300, 0.3280,
0.4101

■ 37.4961, 0.3232,
0.3811

■ 39.0210, 0.3181,
0.3540

■ 40.7099, 0.3128,
0.3292

■ 42.5679, 0.3075,
0.3068

Harmonies

Analogous

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



31.4655, 0.4357, 0.5098



31.4655, 0.3350, 0.5500



31.4655, 0.2339, 0.4880

Triad

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



31.4655, 0.3350, 0.5500



31.4655, 0.1357, 0.1820



31.4655, 0.4827, 0.2828

Complementary

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



31.4655, 0.3350, 0.5500



7.6681, 0.2408, 0.1241

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.



31.4655, 0.3676, 0.2216



31.4655, 0.3350, 0.5500



31.4655, 0.1749, 0.1661

Square

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



31.4655, 0.3350, 0.5500



31.4655, 0.1300, 0.2385



31.4655, 0.2528, 0.1806



31.4655, 0.5377, 0.3539

Rectangle

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



31.4655, 0.3350, 0.5500



31.4655, 0.1804, 0.3973



31.4655, 0.2528, 0.1806



31.4655, 0.4483, 0.2609

Sweetspot

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



31.4669, 0.3350, 0.5500



66.0558, 0.3254, 0.3934



20.7943, 0.4791, 0.4314



14.5438, 0.3270, 0.4036



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.4669, 0.3350, 0.5500



54.7470, 0.3273, 0.5761



29.6614, 0.2975, 0.5618



9.0959, 0.3176, 0.3520



22.9987, 0.3270, 0.5785



0.6724, 0.3527, 0.5582

Inverse Universe

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



7.6681, 0.2408, 0.1241



10.4696, 0.2226, 0.1014



12.3285, 0.3373, 0.1756



7.9796, 0.3074, 0.3062



4.2862, 0.2212, 0.0992



0.1504, 0.2516, 0.1160

Previews

White Background



This preview shows how the Yxy color 31.4655, 0.3350, 0.5500 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.4655, 0.3350, 0.5500 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 ✓ Pass

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

Yxy 31.4655, 0.3350, 0.5500

Background



This preview shows how black text looks on a background with the Yxy color 31.4655, 0.3350, 0.5500.



This preview shows how white text looks on a background with the Yxy color 31.4655, 0.3350, 0.5500.

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

31.4655, 0.3350, 0.5500

Protanopia

31.0912, 0.4325, 0.4798

Deuteranopia

31.0989, 0.4542, 0.4453



Tritanopia

31.2196, 0.2616, 0.3079

Trichromacy



Original Color

31.4655, 0.3350, 0.5500

Protanomaly

30.5579, 0.3929, 0.5081

Deuteranomaly

30.1484, 0.4072, 0.4853

Tritanomaly

30.5426, 0.2937, 0.4019

Monochromacy



Original Color

31.4655, 0.3350, 0.5500

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.1153, 0.3288, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4655, 0.3350, 0.5500 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(91, 171, 34)` looks like.

```
.text, #text, p{  
    color:rgb(91, 171, 34)  
}
```

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(91, 171, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 171, 34) }
```

Border

The CSS property to change the border of an element to Yxy 31.4655, 0.3350, 0.5500 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(91, 171, 34) }
```

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

```
.border{ border-color:rgb(91, 171, 34) }
```

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

Here you see how a box with a 4 pixel rgb(91, 171, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 171, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 171, 34);  
box-shadow:4px 4px 4px 4px rgb(91, 171,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4655, 0.3350, 0.5500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 171, 34) }
```

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

```
.background{ background-color: rgb(91, 171,  
34) }
```

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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