

Converting Colors

Yxy(31.4112, 0.3547, 0.5535)

Have a look what the booklet for
Yxy(31.4112, 0.3547, 0.5535)
contains.

Yxy(31.4554, 0.3549, 0.5535)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4554, 0.3549, 0.5535)

Conversions

Conversions Part 1	
Format	Color
Hex	6AA907
RGB	106, 169, 7
RGB Percent	42%, 66%, 3%
CMY	0.5843, 0.3372, 0.9730
CMYK	0.37, 0.00, 0.96, 0.34
HSL	83°, 92%, 34%
HSV	83°, 96%, 66%
XYZ	20.1690, 31.4554, 5.2056
YIQ	131.6950, 14.4540, -63.7380

Conversions

Conversions Part 2

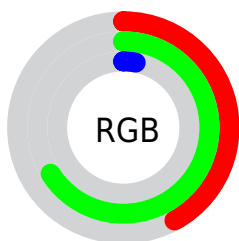
Format	Color
RYB	7, 169, 70
Decimal	6990087
CIELab	62.89, -41.81, 63.43
CIELCh	63, 75.971, 123.394
Yxy	31.4554, 0.3549, 0.5535
Android (android.graphics.Color)	4285180167 (0xFF6AA907)
YUV	131.6950, -61.4746, -22.5345
Hunter-Lab	56.0851, -33.9579, 33.7565

Details

The Yxy color **31.4554, 0.3549, 0.5535** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.3123, 0.1879, 0.0830**, and the grayscale version is **23.1758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1728, 0.3547, 0.5085**, and **13.1192, 0.3285, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **31.2804, 0.3533, 0.5577**, and if you desaturate by 10%, it is **31.9247, 0.3581, 0.5417**.

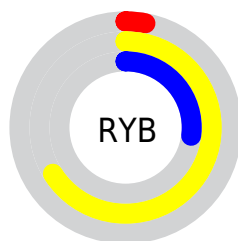
Distribution



Red (42%)

Green (66%)

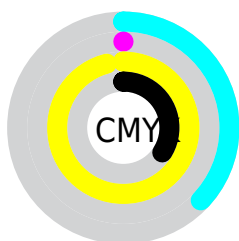
Blue (3%)



Red (3%)

Yellow (66%)

Blue (27%)

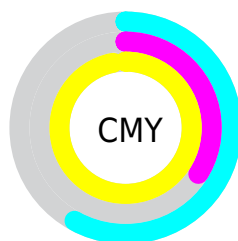


Cyan (37%)

Magenta (0%)

Yellow (96%)

Black (34%)



Cyan (58%)

Magenta (34%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4554, 0.3549, 0.5535 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 31.4554, 0.3549, 0.5535 by changing the saturation by 10% instead.

 31.4554, 0.3549,
0.5535


 31.4554, 0.3549,
0.5535


 308.6309, 0.3435,
0.4316

 20.9459, 0.3519,
0.5838


 61.9563, 0.3545,
0.5084


 13.0844, 0.3440,
0.6211

 82.7166, 0.3531,
0.4915

 7.4867, 0.3286,
0.6714


 107.6624, 0.3515,
0.4774

 3.7683, 0.2867,
0.7133

 137.1784, 0.3498,
0.4654

 1.5448, 0.1785,
0.8215

 171.6488, 0.3481,
0.4551

 0.3200, 0.0000,
1.0000

 211.4581, 0.3465,

 0.0000, 0.0000,

0.4462

0.0000

256.9907, 0.3449,
0.4384

31.4554, 0.3549,
0.5535

31.4554, 0.3549,
0.5535

31.2804, 0.3533,
0.5577


31.9247, 0.3581,
0.5417

32.4670, 0.3591,
0.5250


33.0920, 0.3578,
0.5038


33.8061, 0.3542,
0.4790

34.6148, 0.3488,
0.4520

 35.5233, 0.3420,
0.4239

 36.5362, 0.3343,
0.3960

 37.6578, 0.3261,
0.3689

 38.8919, 0.3177,
0.3433

Harmonies

Analogous

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



31.4554, 0.4549, 0.4981



31.4554, 0.3549, 0.5535



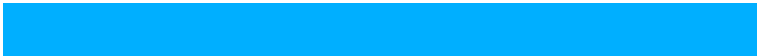
31.4554, 0.2503, 0.5138

Triad

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



31.4554, 0.3549, 0.5535



31.4554, 0.1292, 0.1865



31.4554, 0.4670, 0.2686

Complementary

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



31.4554, 0.3549, 0.5535



4.3123, 0.1879, 0.0830

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.



31.4554, 0.3442, 0.2097



31.4554, 0.3549, 0.5535



31.4554, 0.1620, 0.1639

Square

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



31.4554, 0.3549, 0.5535



31.4554, 0.1297, 0.2535



31.4554, 0.2329, 0.1730



31.4554, 0.5383, 0.3390

Rectangle

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



31.4554, 0.3549, 0.5535



31.4554, 0.1913, 0.4274



31.4554, 0.2329, 0.1730



31.4554, 0.4285, 0.2471

Sweetspot

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



31.4568, 0.3549, 0.5535



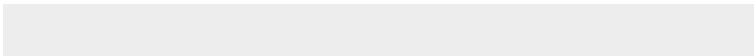
64.7564, 0.3371, 0.4059



12.7105, 0.5630, 0.3862



13.9536, 0.3403, 0.4174



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.4568, 0.3549, 0.5535



55.8934, 0.3523, 0.5585



28.6100, 0.3039, 0.5935



8.6261, 0.3205, 0.3517



23.3430, 0.3540, 0.5571



0.5961, 0.3761, 0.5396

Inverse Universe

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



4.3123, 0.1879, 0.0830



7.0726, 0.1816, 0.0774



9.5068, 0.2931, 0.1405



7.4374, 0.3044, 0.3061



3.0191, 0.1843, 0.0789



0.1031, 0.2245, 0.1010

Previews

White Background



This preview shows how the Yxy color 31.4554, 0.3549, 0.5535 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 31.4554, 0.3549, 0.5535 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 31.4554, 0.3549, 0.5535

Background



This preview shows how black text looks on a background with the Yxy color 31.4554, 0.3549, 0.5535.



This preview shows how white text looks on a background with the Yxy color 31.4554, 0.3549, 0.5535.

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

31.4554, 0.3549, 0.5535

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

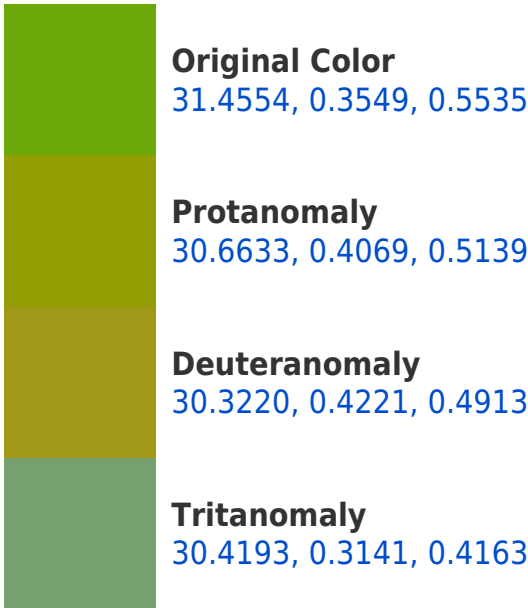
31.1384, 0.4619, 0.4530



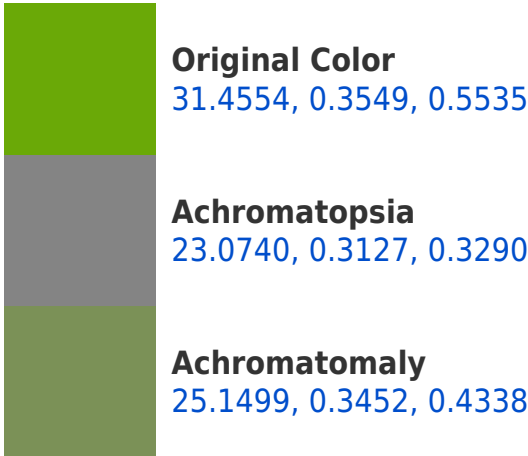
Tritanopia

31.3013, 0.2721, 0.3083

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4554, 0.3549, 0.5535 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(106, 169, 7)` looks like.

```
.text, #text, p{  
    color:rgb(106, 169, 7)  
}
```

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(106, 169, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 169, 7) }
```

Border

The CSS property to change the border of an element to Yxy 31.4554, 0.3549, 0.5535 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(106, 169, 7) }
```

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

```
.border{ border-color:rgb(106, 169, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 169, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 169, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 169, 7);  
box-shadow:4px 4px 4px 4px rgb(106, 169,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4554, 0.3549, 0.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 169, 7) }
```

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

```
.background{ background-color: rgb(106,  
169, 7) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor