

Converting Colors

$Y_{xy}(31.1238, 0.3554, 0.5560)$

Have a look what the booklet for
Yxy(31.1238, 0.3554, 0.5560)
contains.

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Color

Yxy(31.0085, 0.3555, 0.5559)

Conversions

Conversions Part 1

Format	Color
Hex	69A800
RGB	105, 168, 0
RGB Percent	41%, 66%, 0%
CMY	0.5882, 0.3412, 0.9997
CMYK	0.37, 0.00, 1.00, 0.34
HSL	83°, 100%, 33%
HSV	83°, 100%, 66%
XYZ	19.8300, 31.0085, 4.9422
YIQ	130.0110, 16.3800, -65.6040

Conversions

Conversions Part 2

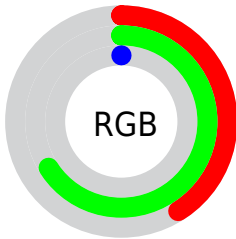
Format	Color
RYB	0, 168, 63
Decimal	6924288
CIELab	62.51, -41.88, 64.03
CIELCh	63, 76.506, 123.186
Yxy	31.0085, 0.3555, 0.5559
Android (android.graphics.Color)	4285114368 (0xFF69A800)
YUV	130.0110, -64.0954, -21.9346
Hunter-Lab	55.6853, -33.8837, 33.7176

Details

The Yxy color **31.0085, 0.3555, 0.5559** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.8882, 0.1813, 0.0773**, and the grayscale version is **22.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4871, 0.3555, 0.5108**, and **12.8658, 0.3280, 0.5778** is the 20% darker color. If you saturate the color by 10%, you get **31.0077, 0.3555, 0.5560**, and if you desaturate by 10%, it is **31.4457, 0.3590, 0.5455**.

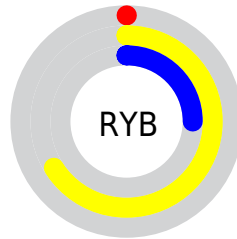
Distribution



Red (41%)

Green (66%)

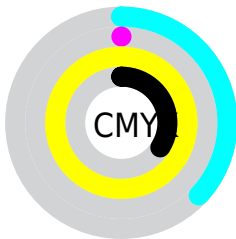
Blue (0%)



Red (0%)

Yellow (66%)

Blue (25%)

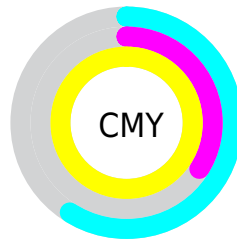


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (59%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0085, 0.3555, 0.5559 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 31.0085, 0.3555, 0.5559 by changing the saturation by 10% instead.


 31.0085, 0.3555,
0.5559


 31.0085, 0.3555,
0.5559


306.5775, 0.3441,
0.4326

 20.6053, 0.3523,
0.5864


 61.2535, 0.3553,
0.5104

 12.8358, 0.3442,
0.6243


 81.8640, 0.3539,
0.4933


 7.3156, 0.3271,
0.6729


 106.6458, 0.3522,
0.4790

 3.6602, 0.2844,
0.7156

 135.9833, 0.3505,
0.4668

 1.4854, 0.1655,
0.8345

 170.2608, 0.3488,
0.4564


 0.2784, 0.0000,
1.0000

 209.8627, 0.3471,


 0.0000, 0.0000,

0.4474

0.0000

 255.1735, 0.3456,
0.4395


 31.0085, 0.3555,
0.5559


 31.0085, 0.3555,
0.5559


 31.0077, 0.3555,
0.5560

 31.4457, 0.3590,
0.5455

 31.9441, 0.3608,
0.5310

 32.5192, 0.3602,
0.5117

 33.1776, 0.3572,
0.4885

 33.9252, 0.3523,
0.4624

■ 34.7670, 0.3458,
0.4349

■ 35.7077, 0.3381,
0.4069

■ 36.7515, 0.3298,
0.3795

■ 37.9025, 0.3213,
0.3534

Harmonies

Analogous

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



31.0085, 0.4564, 0.4987



31.0085, 0.3555, 0.5559



31.0085, 0.2500, 0.5171

Triad

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



31.0085, 0.3555, 0.5559



31.0085, 0.1276, 0.1853



31.0085, 0.4680, 0.2674

Complementary

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



31.0085, 0.3555, 0.5559



3.8882, 0.1813, 0.0773

Split Complementary

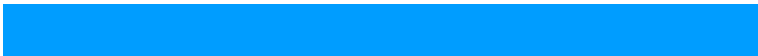
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.0085, 0.3436, 0.2083



31.0085, 0.3555, 0.5559



31.0085, 0.1603, 0.1625

Square

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



31.0085, 0.3555, 0.5559



31.0085, 0.1282, 0.2531



31.0085, 0.2314, 0.1716



31.0085, 0.5405, 0.3382

Rectangle

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



31.0085, 0.3555, 0.5559



31.0085, 0.1905, 0.4296



31.0085, 0.2314, 0.1716



31.0085, 0.4290, 0.2458

Sweetspot

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



31.0099, 0.3555, 0.5559



64.6883, 0.3386, 0.4086



11.7330, 0.5775, 0.3796



13.9454, 0.3418, 0.4199



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.



31.0099, 0.3555, 0.5559



56.1414, 0.3544, 0.5568



28.1817, 0.3038, 0.5969



8.6311, 0.3207, 0.3517



23.4456, 0.3561, 0.5555



0.5982, 0.3776, 0.5384

Inverse Universe

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



3.8882, 0.1813, 0.0773



6.9358, 0.1795, 0.0762



8.9046, 0.2877, 0.1359



7.4325, 0.3042, 0.3061



2.9607, 0.1822, 0.0777



0.1013, 0.2222, 0.0998

Previews

White Background



This preview shows how the Yxy color 31.0085, 0.3555, 0.5559 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 31.0085, 0.3555, 0.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

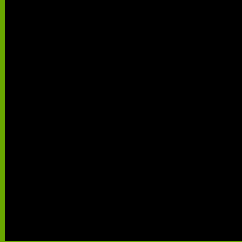
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0085, 0.3555, 0.5559

Background



This preview shows how black text looks on a background with the Yxy color 31.0085, 0.3555, 0.5559.



This preview shows how white text looks on a background with the Yxy color 31.0085, 0.3555, 0.5559.

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

31.0085, 0.3555, 0.5559

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.7019, 0.4625, 0.4532



Tritanopia

30.8525, 0.2718, 0.3081

Trichromacy



Original Color

31.0085, 0.3555, 0.5559

Protanomaly

30.2249, 0.4073, 0.5148

Deuteranomaly

29.8815, 0.4230, 0.4925

Tritanomaly

29.9373, 0.3157, 0.4205

Monochromacy



Original Color

31.0085, 0.3555, 0.5559

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.6360, 0.3470, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0085, 0.3555, 0.5559 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(105, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 168, 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(105, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.0085, 0.3555, 0.5559 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(105, 168, 0) }
```

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

```
.border{ border-color:rgb(105, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0085, 0.3555, 0.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 168, 0) }
```

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

```
.background{ background-color: rgb(105,  
168, 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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