

Converting Colors

Yxy(31.4917, 0.3698, 0.6038)

Have a look what the booklet for
Yxy(31.4917, 0.3698, 0.6038)
contains.

| | |
|--|----|
| Yxy(31.5742, 0.3515, 0.5591) | 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(31.5742, 0.3515, 0.5591)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 66AA00 |
| RGB | 102, 170, 0 |
| RGB Percent | 40%, 67%, 0% |
| CMY | 0.6002, 0.3333, 0.9999 |
| CMYK | 0.40, 0.00, 1.00, 0.33 |
| HSL | 84°, 100%, 33% |
| HSV | 84°, 100%, 67% |
| XYZ | 19.8504, 31.5742, 5.0487 |
| YIQ | 130.2880, 14.0420, -67.2860 |

Conversions

Conversions Part 2

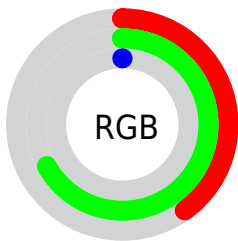
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 170, 68 |
| Decimal | 6728192 |
| CIELab | 62.99, -43.82, 64.34 |
| CIELCh | 63, 77.842, 124.259 |
| Yxy | 31.5742, 0.3515, 0.5591 |
| Android (android.graphics.Color) | 4284918272 (0xFF66AA00) |
| YUV | 130.2880, -64.2320, -24.8086 |
| Hunter-Lab | 56.1909, -35.2761, 34.0065 |

Details

The Yxy color **31.5742, 0.3515, 0.5591** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.1356, 0.1851, 0.0794**, and the grayscale version is **22.6575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2716, 0.3521, 0.5127**, and **13.2362, 0.3233, 0.5815** is the 20% darker color. If you saturate the color by 10%, you get **31.5747, 0.3515, 0.5591**, and if you desaturate by 10%, it is **32.0301, 0.3554, 0.5484**.

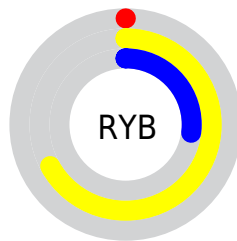
Distribution



Red (40%)

Green (67%)

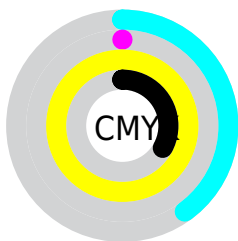
Blue (0%)



Red (0%)

Yellow (67%)

Blue (27%)

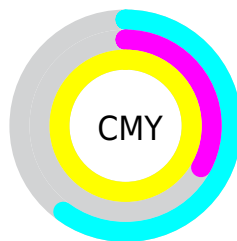


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (60%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5742, 0.3515, 0.5591 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 31.5742, 0.3515, 0.5591 by changing the saturation by 10% instead.


 31.5742, 0.3515,
0.5591

 31.5742, 0.3515,
0.5591


309.1750, 0.3424,
0.4340


 21.0365, 0.3477,
0.5901


 62.1430, 0.3521,
0.5128

 13.1507, 0.3387,
0.6286


 82.9428, 0.3511,
0.4955


 7.5324, 0.3211,
0.6789


 107.9321, 0.3497,
0.4810


 3.7972, 0.2775,
0.7225

 137.4954, 0.3482,
0.4686

 1.5608, 0.1599,
0.8401

 172.0169, 0.3467,
0.4581

 0.3309, 0.0000,
1.0000

 211.8810, 0.3452,

 0.0000, 0.0000,

0.4490


0.0000


 257.4723, 0.3438,
0.4410


 31.5742, 0.3515,
0.5591

 31.5742, 0.3515,
0.5591


 31.5747, 0.3515,
0.5591

 32.0301, 0.3554,
0.5484

 32.5526, 0.3575,
0.5335

 33.1578, 0.3572,
0.5138

 33.8526, 0.3547,
0.4901

 34.6432, 0.3502,
0.4636

■ 35.5350, 0.3441,
0.4357

■ 36.5328, 0.3369,
0.4074

■ 37.6411, 0.3291,
0.3798

■ 38.8643, 0.3209,
0.3535

Harmonies

Analogous

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



31.5742, 0.4538, 0.5027



31.5742, 0.3515, 0.5591



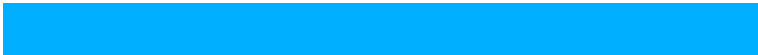
31.5742, 0.2455, 0.5159

Triad

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



31.5742, 0.3515, 0.5591



31.5742, 0.1267, 0.1825



31.5742, 0.4736, 0.2691

Complementary

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



31.5742, 0.3515, 0.5591



4.1356, 0.1851, 0.0794

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.



31.5742, 0.3484, 0.2090



31.5742, 0.3515, 0.5591



31.5742, 0.1609, 0.1609

Square

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



31.5742, 0.3515, 0.5591



31.5742, 0.1261, 0.2487



31.5742, 0.2339, 0.1712



31.5742, 0.5439, 0.3405

Rectangle

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



31.5742, 0.3515, 0.5591



31.5742, 0.1864, 0.4254



31.5742, 0.2339, 0.1712



31.5742, 0.4346, 0.2473

Sweetspot

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



31.5756, 0.3515, 0.5591



66.1684, 0.3374, 0.4090



12.6845, 0.5686, 0.3867



14.5862, 0.3404, 0.4205



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.



31.5756, 0.3515, 0.5591



57.1513, 0.3504, 0.5600



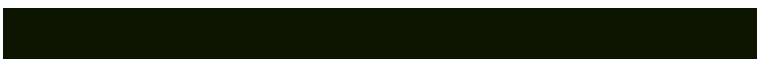
28.8730, 0.3025, 0.5980



8.6217, 0.3203, 0.3517



23.2566, 0.3522, 0.5586



0.5944, 0.3748, 0.5406

Inverse Universe

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



4.1356, 0.1851, 0.0794



7.3812, 0.1834, 0.0784



9.6770, 0.2960, 0.1404



7.4416, 0.3046, 0.3061



3.0714, 0.1862, 0.0800



0.1047, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 31.5742, 0.3515, 0.5591 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 31.5742, 0.3515, 0.5591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

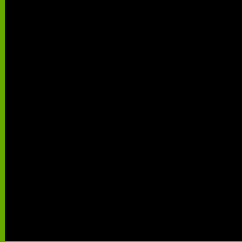
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5742, 0.3515, 0.5591

Background



This preview shows how black text looks on a background with the Yxy color 31.5742, 0.3515, 0.5591.



This preview shows how white text looks on a background with the Yxy color 31.5742, 0.3515, 0.5591.

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

31.5742, 0.3515, 0.5591

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

31.1384, 0.4619, 0.4530



Tritanopia

31.4589, 0.2690, 0.3082

Trichromacy



Original Color

31.5742, 0.3515, 0.5591

Protanomaly

30.9073, 0.4052, 0.5164

Deuteranomaly

30.2113, 0.4216, 0.4931

Tritanomaly

30.5222, 0.3128, 0.4221

Monochromacy



Original Color

31.5742, 0.3515, 0.5591

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.8684, 0.3454, 0.4420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5742, 0.3515, 0.5591 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(102, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 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(102, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.5742, 0.3515, 0.5591 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(102, 170, 0) }
```

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

```
.border{ border-color:rgb(102, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5742, 0.3515, 0.5591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 0) }
```

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

```
.background{ background-color: rgb(102,  
170, 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](#).

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