

Converting Colors

$Y_{xy}(31.2793, 0.3578, 0.5541)$

Have a look what the booklet for
Yxy(31.2793, 0.3578, 0.5541)
contains.

Yxy(31.1934, 0.3583, 0.5537)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(31.1934, 0.3583, 0.5537)

Conversions

Conversions Part 1

Format	Color
Hex	6CA800
RGB	108, 168, 0
RGB Percent	42%, 66%, 0%
CMY	0.5765, 0.3411, 0.9999
CMYK	0.36, 0.00, 1.00, 0.34
HSL	81°, 100%, 33%
HSV	81°, 100%, 66%
XYZ	20.1853, 31.1934, 4.9576
YIQ	130.9080, 18.1680, -64.9680

Conversions

Conversions Part 2

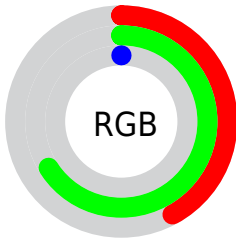
Format	Color
RYB	0, 168, 60
Decimal	7120896
CIELab	62.67, -40.79, 64.22
CIELCh	63, 76.079, 122.419
Yxy	31.1934, 0.3583, 0.5537
Android (android.graphics.Color)	4285310976 (0xFF6CA800)
YUV	130.9080, -64.5376, -20.0903
Hunter-Lab	55.8511, -33.2271, 33.8329

Details

The Yxy color **31.1934, 0.3583, 0.5537** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.7907, 0.1786, 0.0758**, and the grayscale version is **22.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8051, 0.3578, 0.5094**, and **12.9653, 0.3321, 0.5745** is the 20% darker color. If you saturate the color by 10%, you get **31.1939, 0.3583, 0.5537**, and if you desaturate by 10%, it is **31.6241, 0.3616, 0.5435**.

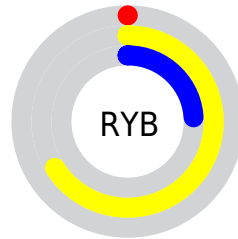
Distribution



Red (42%)

Green (66%)

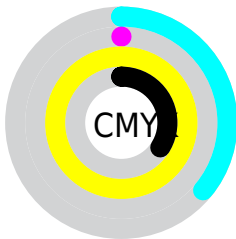
Blue (0%)



Red (0%)

Yellow (66%)

Blue (24%)

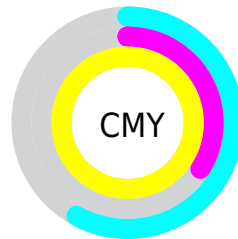


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (58%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1934, 0.3583, 0.5537 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 31.1934, 0.3583, 0.5537 by changing the saturation by 10% instead.


 31.1934, 0.3583,
0.5537


 31.1934, 0.3583,
0.5537


307.4283, 0.3454,
0.4321


 20.7462, 0.3555,
0.5836


 61.5444, 0.3574,
0.5089


 12.9386, 0.3480,
0.6206


 82.2170, 0.3558,
0.4921


 7.3863, 0.3320,
0.6680


 107.0668, 0.3540,
0.4779

 3.7048, 0.2906,
0.7094

 136.4783, 0.3521,
0.4659

 1.5099, 0.1827,
0.8173

 170.8358, 0.3503,
0.4556

 0.2956, 0.0000,
1.0000


 210.5237, 0.3486,


 0.0000, 0.0000,


0.4467


0.0000


 255.9264, 0.3469,
0.4389


 31.1934, 0.3583,
0.5537


 31.1934, 0.3583,
0.5537


 31.1939, 0.3583,
0.5537

 31.6241, 0.3616,
0.5435

 32.1134, 0.3631,
0.5293

 32.6769, 0.3623,
0.5104

 33.3211, 0.3590,
0.4875

 34.0517, 0.3538,
0.4618

■ 34.8738, 0.3470,
0.4345

■ 35.7920, 0.3390,
0.4068

■ 36.8104, 0.3304,
0.3795

■ 37.9330, 0.3216,
0.3534

Harmonies

Analogous

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



31.1934, 0.4581, 0.4960



31.1934, 0.3583, 0.5537



31.1934, 0.2532, 0.5180

Triad

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



31.1934, 0.3583, 0.5537



31.1934, 0.1281, 0.1873



31.1934, 0.4641, 0.2662

Complementary

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



31.1934, 0.3583, 0.5537



3.7907, 0.1786, 0.0758

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.



31.1934, 0.3402, 0.2077



31.1934, 0.3583, 0.5537



31.1934, 0.1599, 0.1635

Square

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



31.1934, 0.3583, 0.5537



31.1934, 0.1297, 0.2563



31.1934, 0.2296, 0.1718



31.1934, 0.5382, 0.3365

Rectangle

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



31.1934, 0.3583, 0.5537



31.1934, 0.1933, 0.4326



31.1934, 0.2296, 0.1718



31.1934, 0.4250, 0.2448

Sweetspot

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



31.1948, 0.3583, 0.5537



64.8440, 0.3395, 0.4084



11.4356, 0.5821, 0.3760



13.9830, 0.3428, 0.4195



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.



31.1948, 0.3583, 0.5537



56.4764, 0.3572, 0.5545



28.2175, 0.3046, 0.5964



8.6377, 0.3209, 0.3517



23.5838, 0.3589, 0.5532



0.6009, 0.3795, 0.5368

Inverse Universe

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



3.7907, 0.1786, 0.0758



6.7656, 0.1769, 0.0748



8.6509, 0.2835, 0.1336



7.4261, 0.3040, 0.3060



2.8879, 0.1796, 0.0763



0.0990, 0.2193, 0.0982

Previews

White Background



This preview shows how the Yxy color 31.1934, 0.3583, 0.5537 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 31.1934, 0.3583, 0.5537 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 31.1934, 0.3583, 0.5537

Background



This preview shows how black text looks on a background with the Yxy color 31.1934, 0.3583, 0.5537.



This preview shows how white text looks on a background with the Yxy color 31.1934, 0.3583, 0.5537.

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

31.1934, 0.3583, 0.5537

Deuteranopia

30.7019, 0.4625, 0.4532

Tritanopia

31.0771, 0.2743, 0.3083

Trichromacy



Original Color

31.1934, 0.3583, 0.5537

Deuteranomaly

29.9842, 0.4241, 0.4917

Tritanomaly

30.1463, 0.3186, 0.4197

Monochromacy



Original Color

31.1934, 0.3583, 0.5537

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.7820, 0.3493, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1934, 0.3583, 0.5537 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(108, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1934, 0.3583, 0.5537 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(108, 168, 0) }
```

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

```
.border{ border-color:rgb(108, 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(108, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 168,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 31.1934, 0.3583, 0.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 168, 0) }
```

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

```
.background{ background-color: rgb(108,  
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](#).

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