

Converting Colors

$Y_{xy}(31.5739, 0.3413, 0.5672)$

Have a look what the booklet for
Yxy(31.5739, 0.3413, 0.5672)
contains.

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Color

Yxy(31.7292, 0.3410, 0.5674)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 5BAC00 |
| RGB | 91, 172, 0 |
| RGB Percent | 36%, 67%, 0% |
| CMY | 0.6431, 0.3255, 0.9995 |
| CMYK | 0.47, 0.00, 1.00, 0.33 |
| HSL | 88°, 100%, 34% |
| HSV | 88°, 100%, 67% |
| XYZ | 19.0688, 31.7292, 5.1223 |
| YIQ | 128.1730, 6.9360, -70.6640 |

Conversions

Conversions Part 2

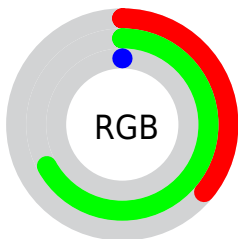
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 172, 81 |
| Decimal | 6007808 |
| CIELab | 63.12, -48.32, 64.21 |
| CIELCh | 63, 80.363, 126.963 |
| Yxy | 31.7292, 0.3410, 0.5674 |
| Android (android.graphics.Color) | 4284197888 (0xFF5BAC00) |
| YUV | 128.1730, -63.1893, -32.6007 |
| Hunter-Lab | 56.3287, -38.1479, 34.0385 |

Details

The Yxy color **31.7292, 0.3410, 0.5674** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.7350, 0.1974, 0.0862**, and the grayscale version is **21.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3844, 0.3442, 0.5185**, and **13.4003, 0.3094, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **31.7274, 0.3410, 0.5675**, and if you desaturate by 10%, it is **32.2062, 0.3455, 0.5560**.

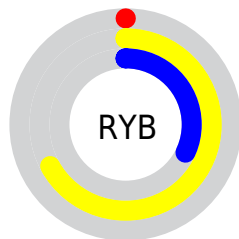
Distribution



Red (36%)

Green (67%)

Blue (0%)



Red (0%)

Yellow (67%)

Blue (32%)

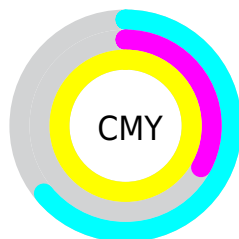


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (64%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7292, 0.3410, 0.5674 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 31.7292, 0.3410, 0.5674 by changing the saturation by 10% instead.

 31.7292, 0.3410,
0.5674


 31.7292, 0.3410,
0.5674


309.8838, 0.3379,
0.4367

 21.1547, 0.3356,
0.6003


 62.3863, 0.3439,
0.5187


 13.2372, 0.3244,
0.6413


 83.2378, 0.3437,
0.5006

 7.5921, 0.3041,
0.6959


 108.2837, 0.3430,
0.4854

 3.8350, 0.2566,
0.7434

 137.9084, 0.3420,
0.4726

 1.5817, 0.1126,
0.8874

 172.4964, 0.3410,
0.4616

 0.3452, 0.0000,
1.0000

 212.4321, 0.3399,

 0.0000, 0.0000,

0.4522

0.0000


 258.0997, 0.3389,
0.4439


 31.7292, 0.3410,
0.5674

 31.7292, 0.3410,
0.5674


 31.7274, 0.3410,
0.5675

 32.2062, 0.3455,
0.5560

 32.7636, 0.3485,
0.5401

 33.4179, 0.3492,
0.5191

 34.1769, 0.3477,
0.4940

 35.0474, 0.3443,
0.4663

■ 36.0353, 0.3394,
0.4373

■ 37.1461, 0.3334,
0.4082

■ 38.3850, 0.3268,
0.3801

■ 39.7566, 0.3197,
0.3535

Harmonies

Analogous

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



31.7292, 0.4470, 0.5130



31.7292, 0.3410, 0.5674



31.7292, 0.2338, 0.5121

Triad

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



31.7292, 0.3410, 0.5674



31.7292, 0.1246, 0.1753



31.7292, 0.4882, 0.2734

Complementary

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



31.7292, 0.3410, 0.5674



4.7350, 0.1974, 0.0862

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.



31.7292, 0.3612, 0.2109



31.7292, 0.3410, 0.5674



31.7292, 0.1624, 0.1570

Square

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



31.7292, 0.3410, 0.5674



31.7292, 0.1207, 0.2374



31.7292, 0.2406, 0.1701



31.7292, 0.5522, 0.3463

Rectangle

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



31.7292, 0.3410, 0.5674



31.7292, 0.1760, 0.4141



31.7292, 0.2406, 0.1701



31.7292, 0.4495, 0.2509

Sweetspot

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



31.7306, 0.3410, 0.5674



67.2594, 0.3338, 0.4100



14.5569, 0.5495, 0.4018



14.4339, 0.3364, 0.4218



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.



31.7306, 0.3410, 0.5674



57.4255, 0.3398, 0.5684



29.5432, 0.3008, 0.5993



9.1399, 0.3193, 0.3519



23.6432, 0.3417, 0.5669



0.6900, 0.3649, 0.5485

Inverse Universe

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



4.7350, 0.1974, 0.0862



8.4509, 0.1956, 0.0851



11.1175, 0.3127, 0.1496



7.9353, 0.3056, 0.3061



3.5517, 0.1984, 0.0867



0.1315, 0.2338, 0.1061

Previews

White Background



This preview shows how the Yxy color 31.7292, 0.3410, 0.5674 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 31.7292, 0.3410, 0.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

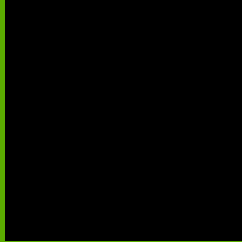
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7292, 0.3410, 0.5674

Background



This preview shows how black text looks on a background with the Yxy color 31.7292, 0.3410, 0.5674.



This preview shows how white text looks on a background with the Yxy color 31.7292, 0.3410, 0.5674.

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

31.7292, 0.3410, 0.5674

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

31.1442, 0.4614, 0.4525



Tritanopia

31.6695, 0.2618, 0.3080

Trichromacy



Original Color

31.7292, 0.3410, 0.5674

Protanomaly

30.5471, 0.4009, 0.5199

Deuteranomaly

30.1377, 0.4161, 0.4973

Tritanomaly

30.6800, 0.3039, 0.4254

Monochromacy



Original Color

31.7292, 0.3410, 0.5674

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

24.1854, 0.3419, 0.4463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7292, 0.3410, 0.5674 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, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 172, 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(91, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 172, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.7292, 0.3410, 0.5674 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, 172, 0) }
```

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

```
.border{ border-color:rgb(91, 172, 0) }
```

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

Here you see how a box with a 4 pixel rgb(91, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 172, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 31.7292, 0.3410, 0.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 172, 0) }
```

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

```
.background{ background-color: rgb(91, 172,  
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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