

Converting Colors

$Y_{xy}(31.2324, 0.3311, 0.5709)$

Have a look what the booklet for
Yxy(31.2324, 0.3311, 0.5709)
contains.

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Color

Yxy(31.2324, 0.3311, 0.5709)

Conversions

Conversions Part 1

Format	Color
Hex	50AC0A
RGB	80, 172, 10
RGB Percent	31%, 67%, 4%
CMY	0.6864, 0.3255, 0.9607
CMYK	0.54, 0.00, 0.94, 0.33
HSL	94°, 89%, 36%
HSV	94°, 94%, 67%
XYZ	18.1136, 31.2324, 5.3613
YIQ	126.0240, -2.8300, -69.8860

Conversions

Conversions Part 2

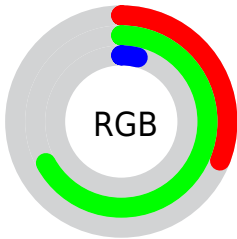
Format	Color
RYB	10, 172, 102
Decimal	5286922
CIELab	62.70, -51.50, 62.39
CIELCh	63, 80.902, 129.540
Yxy	31.2324, 0.3311, 0.5709
Android (android.graphics.Color)	4283477002 (0xFF50AC0A)
YUV	126.0240, -57.1998, -40.3630
Hunter-Lab	55.8860, -39.9455, 33.4323

Details

The Yxy color **31.2324, 0.3311, 0.5709** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.0254, 0.2227, 0.1029**, and the grayscale version is **21.0708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5258, 0.3362, 0.5202**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.9742, 0.3282, 0.5776**, and if you desaturate by 10%, it is **31.7486, 0.3355, 0.5564**.

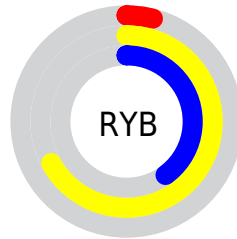
Distribution



Red (31%)

Green (67%)

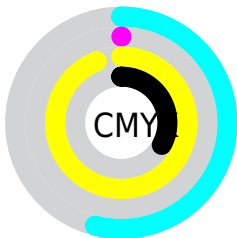
Blue (4%)



Red (4%)

Yellow (67%)

Blue (40%)

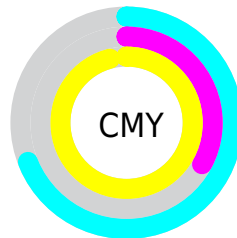


Cyan (54%)

Magenta (0%)

Yellow (94%)

Black (33%)



Cyan (69%)


Magenta (33%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2324, 0.3311, 0.5709 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 31.2324, 0.3311, 0.5709 by changing the saturation by 10% instead.


 31.2324, 0.3311,
0.5709


 31.2324, 0.3311,
0.5709


307.6076, 0.3329,
0.4366


 20.7759, 0.3245,
0.6056


 61.6058, 0.3358,
0.5203


 12.9603, 0.3117,
0.6490


 82.2914, 0.3362,
0.5016


 7.4012, 0.2900,
0.7100


 107.1556, 0.3361,
0.4861

 3.7142, 0.2389,
0.7611

 136.5826, 0.3356,
0.4730

 1.5150, 0.0498,
0.9502

 170.9569, 0.3350,
0.4619

 0.2993, 0.0000,
1.0000

 210.6629, 0.3344,

 0.0000, 0.0000,

0.4523

0.0000

256.0850, 0.3337,
0.4440

■ 31.2324, 0.3311,
0.5709

■ 31.2324, 0.3311,
0.5709

■ 30.9742, 0.3282,
0.5776

■ 31.7486, 0.3355,
0.5564

■ 32.3746, 0.3381,
0.5361

■ 33.1210, 0.3387,
0.5110

■ 33.9962, 0.3375,
0.4826

■ 35.0072, 0.3347,
0.4525

■ 36.1607, 0.3307,
0.4221

■ 37.4629, 0.3259,
0.3926

■ 38.9195, 0.3206,
0.3648

■ 40.5357, 0.3150,
0.3390

Harmonies

Analogous

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



31.2324, 0.4390, 0.5213



31.2324, 0.3311, 0.5709



31.2324, 0.2242, 0.5037

Triad

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



31.2324, 0.3311, 0.5709



31.2324, 0.1250, 0.1708



31.2324, 0.4992, 0.2787

Complementary

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



31.2324, 0.3311, 0.5709



6.0254, 0.2227, 0.1029

Split Complementary

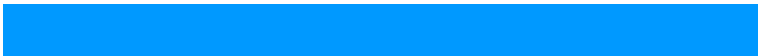
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.2324, 0.3734, 0.2145



31.2324, 0.3311, 0.5709



31.2324, 0.1661, 0.1556

Square

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



31.2324, 0.3311, 0.5709



31.2324, 0.1181, 0.2286



31.2324, 0.2487, 0.1712



31.2324, 0.5559, 0.3524

Rectangle

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



31.2324, 0.3311, 0.5709



31.2324, 0.1684, 0.4011



31.2324, 0.2487, 0.1712



31.2324, 0.4618, 0.2558

Sweetspot

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



31.2337, 0.3311, 0.5709



66.9000, 0.3280, 0.4052



18.2602, 0.5103, 0.4274



14.3276, 0.3300, 0.4176



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.



31.2337, 0.3311, 0.5709



56.0619, 0.3270, 0.5786



29.6259, 0.2987, 0.5894



9.1021, 0.3179, 0.3520



23.0791, 0.3289, 0.5770



0.6748, 0.3544, 0.5568

Inverse Universe

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



6.0254, 0.2227, 0.1029



9.9548, 0.2151, 0.0959



11.5697, 0.3370, 0.1654



7.9733, 0.3071, 0.3062



4.1708, 0.2177, 0.0973



0.1475, 0.2491, 0.1146

Previews

White Background



This preview shows how the Yxy color 31.2324, 0.3311, 0.5709 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 31.2324, 0.3311, 0.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

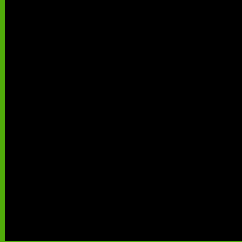
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2324, 0.3311, 0.5709

Background



This preview shows how black text looks on a background with the Yxy color 31.2324, 0.3311, 0.5709.



This preview shows how white text looks on a background with the Yxy color 31.2324, 0.3311, 0.5709.

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

31.2324, 0.3311, 0.5709

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.7194, 0.4611, 0.4515



Tritanopia

31.1018, 0.2554, 0.3076

Trichromacy



Original Color

31.2324, 0.3311, 0.5709

Protanomaly

30.1234, 0.3948, 0.5231

Deuteranomaly

29.6744, 0.4090, 0.4988

Tritanomaly

30.1987, 0.2926, 0.4202

Monochromacy



Original Color

31.2324, 0.3311, 0.5709

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.5362, 0.3329, 0.4419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2324, 0.3311, 0.5709 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(80, 172, 10)` looks like.

```
.text, #text, p{  
    color:rgb(80, 172, 10)  
}
```

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(80, 172, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 172, 10) }
```

Border

The CSS property to change the border of an element to Yxy 31.2324, 0.3311, 0.5709 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(80, 172, 10) }
```

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

```
.border{ border-color:rgb(80, 172, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 172, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 172, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 172, 10);  
box-shadow:4px 4px 4px 4px rgb(80, 172,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2324, 0.3311, 0.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 172, 10) }
```

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

```
.background{ background-color: rgb(80, 172,  
10) }
```

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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