

Converting Colors

$Y_{xy}(49.3472, 0.3554, 0.5773)$

Have a look what the booklet for
Yxy(49.3472, 0.3554, 0.5773)
contains.

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Color

Yxy(49.3227, 0.3493, 0.5608)

Conversions

Conversions Part 1

Format	Color
Hex	7BD000
RGB	123, 208, 0
RGB Percent	48%, 82%, 0%
CMY	0.5178, 0.1843, 0.9991
CMYK	0.41, 0.00, 1.00, 0.18
HSL	85°, 100%, 41%
HSV	85°, 100%, 82%
XYZ	30.7211, 49.3227, 7.9068
YIQ	158.8730, 16.1080, -82.7080

Conversions

Conversions Part 2

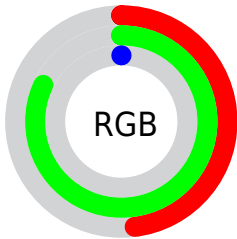
Format	Color
RYB	0, 208, 85
Decimal	8114176
CIELab	75.65, -51.91, 74.58
CIELCh	76, 90.868, 124.840
Yxy	49.3227, 0.3493, 0.5608
Android (android.graphics.Color)	4286304256 (0xFF7BD000)
YUV	158.8730, -78.3244, -31.4606
Hunter-Lab	70.2301, -44.8205, 42.4860

Details

The Yxy color **49.3227, 0.3493, 0.5608** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.5033, 0.1853, 0.0795**, and the grayscale version is **34.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0896, 0.3544, 0.5139**, and **23.8066, 0.3257, 0.5796** is the 20% darker color. If you saturate the color by 10%, you get **49.3176, 0.3492, 0.5609**, and if you desaturate by 10%, it is **50.0338, 0.3537, 0.5508**.

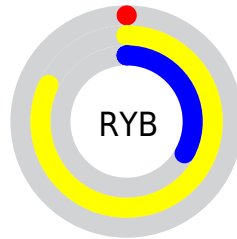
Distribution



Red (48%)

Green (82%)

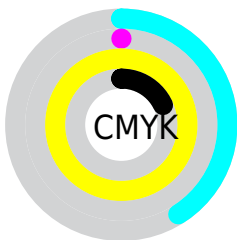
Blue (0%)



Red (0%)

Yellow (82%)

Blue (33%)

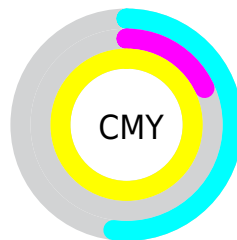


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (52%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3227, 0.3493, 0.5608 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 49.3227, 0.3493, 0.5608 by changing the saturation by 10% instead.


 49.3227, 0.3493,
0.5608

 49.3227, 0.3493,
0.5608


384.0113, 0.3431,
0.4434


 34.8755, 0.3460,
0.5875


 89.1705, 0.3506,
0.5194


 23.5670, 0.3388,
0.6192


 115.3400, 0.3499,
0.5034

 15.0127, 0.3270,
0.6603


 146.1857, 0.3490,
0.4896

 8.8283, 0.3000,
0.7000

 182.0920, 0.3479,
0.4778

 4.6294, 0.2545,
0.7455

 223.4433, 0.3466,
0.4675

 2.0315, 0.1575,
0.8425

 270.6241, 0.3454,

 0.6257, 0.0000,

0.4585

1.0000

324.0186, 0.3442,
0.4505

■ 0.0000, 0.0000,
0.0000

■ 49.3227, 0.3493,
0.5608

■ 49.3227, 0.3493,
0.5608

■ 49.3176, 0.3492,
0.5609

■ 50.0338, 0.3537,
0.5508

■ 50.8567, 0.3562,
0.5362

■ 51.8139, 0.3563,
0.5164

■ 52.9172, 0.3541,
0.4925

■ 54.1767, 0.3498,
0.4657

■ 55.6015, 0.3439,
0.4372

■ 57.1995, 0.3367,
0.4085

■ 58.9784, 0.3289,
0.3804

■ 60.9451, 0.3208,
0.3536

Harmonies

Analogous

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



49.3227, 0.4524, 0.5048



49.3227, 0.3493, 0.5608



49.3227, 0.2430, 0.5151

Triad

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



49.3227, 0.3493, 0.5608



49.3227, 0.1263, 0.1810



49.3227, 0.4767, 0.2700

Complementary

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



49.3227, 0.3493, 0.5608



6.5033, 0.1853, 0.0795

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.



49.3227, 0.3511, 0.2094



49.3227, 0.3493, 0.5608



49.3227, 0.1612, 0.1601

Square

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



49.3227, 0.3493, 0.5608



49.3227, 0.1250, 0.2463



49.3227, 0.2353, 0.1710



49.3227, 0.5456, 0.3417

Rectangle

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



49.3227, 0.3493, 0.5608



49.3227, 0.1842, 0.4230



49.3227, 0.2353, 0.1710



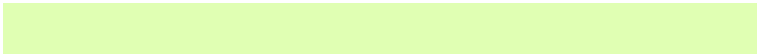
49.3227, 0.4378, 0.2481

Sweetspot

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



49.3248, 0.3493, 0.5608



90.5520, 0.3371, 0.4098



19.6500, 0.5707, 0.3849



19.1444, 0.3402, 0.4220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3248, 0.3493, 0.5608



78.0638, 0.3485, 0.5615



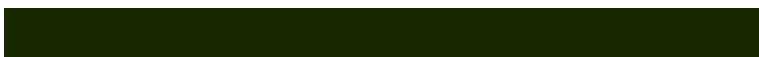
45.2761, 0.3022, 0.5982



13.5464, 0.3204, 0.3524



30.7922, 0.3502, 0.5602



1.7675, 0.3627, 0.5502

Inverse Universe

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



6.5033, 0.1853, 0.0795



10.1854, 0.1841, 0.0788



15.1533, 0.2957, 0.1403



11.6505, 0.3045, 0.3054



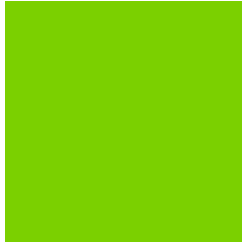
4.0994, 0.1867, 0.0802



0.2751, 0.2077, 0.0918

Previews

White Background



This preview shows how the Yxy color 49.3227, 0.3493, 0.5608 looks on a white background.

Color Contrast Check

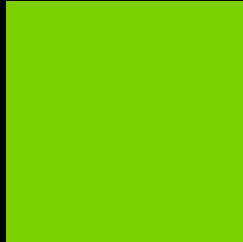
Large Text (above 18pt) WCAG AA × Fail

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 49.3227, 0.3493, 0.5608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

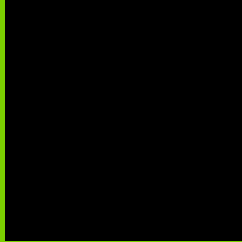
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3227, 0.3493, 0.5608

Background



This preview shows how black text looks on a background with the Yxy color 49.3227, 0.3493, 0.5608.



This preview shows how white text looks on a background with the Yxy color 49.3227, 0.3493, 0.5608.

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

49.3227, 0.3493, 0.5608

Protanopia

48.6731, 0.4403, 0.4886

Deuteranopia

48.5344, 0.4632, 0.4539



Tritanopia

48.9464, 0.2679, 0.3077

Trichromacy



Original Color

49.3227, 0.3493, 0.5608

Protanomaly

48.0486, 0.4049, 0.5167

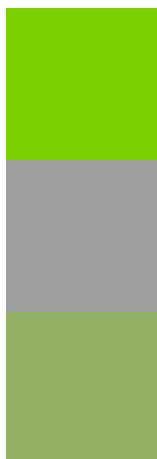
Deuteranomaly

47.3785, 0.4203, 0.4959

Tritanomaly

47.4849, 0.3119, 0.4243

Monochromacy



Original Color

49.3227, 0.3493, 0.5608

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

38.4949, 0.3456, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3227, 0.3493, 0.5608 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(123, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 208, 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(123, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 208, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.3227, 0.3493, 0.5608 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(123, 208, 0) }
```

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

```
.border{ border-color:rgb(123, 208, 0) }
```

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

Here you see how a box with a 4 pixel rgb(123, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 208,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3227, 0.3493, 0.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 208, 0) }
```

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

```
.background{ background-color: rgb(123,  
208, 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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