

Converting Colors

$Y_{xy}(55.7253, 0.3740, 0.5609)$

Have a look what the booklet for
Yxy(55.7253, 0.3740, 0.5609)
contains.

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Color

Yxy(55.7871, 0.3674, 0.5465)

Conversions

Conversions Part 1

Format	Color
Hex	98D800
RGB	152, 216, 0
RGB Percent	60%, 85%, 0%
CMY	0.4039, 0.1529, 1.0000
CMYK	0.30, 0.00, 1.00, 0.15
HSL	78°, 100%, 42%
HSV	78°, 100%, 85%
XYZ	37.5044, 55.7871, 8.7891
YIQ	172.2400, 31.1920, -80.7440

Conversions

Conversions Part 2

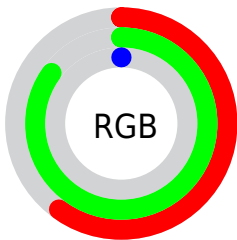
Format	Color
RYB	0, 216, 64
Decimal	10016768
CIELab	79.49, -44.87, 78.21
CIELCh	79, 90.165, 119.845
Yxy	55.7871, 0.3674, 0.5465
Android (android.graphics.Color)	4288206848 (0xFF98D800)
YUV	172.2400, -84.9143, -17.7505
Hunter-Lab	74.6908, -41.0787, 45.3067

Details

The Yxy color **55.7871, 0.3674, 0.5465** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.0483, 0.1689, 0.0704**, and the grayscale version is **41.8115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0408, 0.3731, 0.4992**, and **27.8694, 0.3494, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **55.7897, 0.3674, 0.5465**, and if you desaturate by 10%, it is **56.4805, 0.3704, 0.5382**.

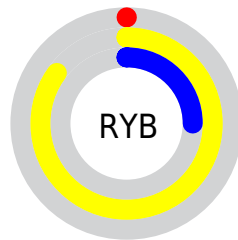
Distribution



Red (60%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (25%)

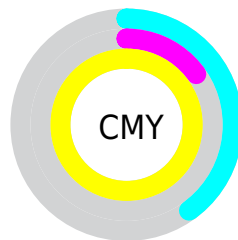


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (40%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7871, 0.3674, 0.5465 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 55.7871, 0.3674, 0.5465 by changing the saturation by 10% instead.


 55.7871, 0.3674,
0.5465


 55.7871, 0.3674,
0.5465


408.8887, 0.3523,
0.4408

 40.0323, 0.3665,
0.5693


 98.6932, 0.3653,
0.5103

 27.5637, 0.3629,
0.5959


 126.6133, 0.3635,
0.4959

 17.9970, 0.3549,
0.6277


 159.3572, 0.3615,
0.4835

 10.9479, 0.3376,
0.6624

 197.3094, 0.3596,
0.4727

 6.0318, 0.3036,
0.6964

 240.8543, 0.3576,
0.4632

 2.8644, 0.2512,
0.7488

 290.3762, 0.3557,

 1.0614, 0.0000,

0.4548

1.0000

346.2595, 0.3540,
0.4474

■ 0.0000, 0.0000,
0.0000

■ 55.7871, 0.3674,
0.5465

■ 55.7871, 0.3674,
0.5465

■ 55.7897, 0.3674,
0.5465

■ 56.4805, 0.3704,
0.5382

■ 57.2682, 0.3714,
0.5256

■ 58.1742, 0.3699,
0.5081

■ 59.2106, 0.3658,
0.4865

■ 60.3877, 0.3596,
0.4617

■ 61.7145, 0.3517,
0.4350

■ 63.1991, 0.3426,
0.4075

■ 64.8490, 0.3328,
0.3802

■ 66.6712, 0.3227,
0.3538

Harmonies

Analogous

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



55.7871, 0.4638, 0.4871



55.7871, 0.3674, 0.5465



55.7871, 0.2635, 0.5206

Triad

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



55.7871, 0.3674, 0.5465



55.7871, 0.1300, 0.1940



55.7871, 0.4513, 0.2621

Complementary

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



55.7871, 0.3674, 0.5465



6.0483, 0.1689, 0.0704

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.



55.7871, 0.3293, 0.2059



55.7871, 0.3674, 0.5465



55.7871, 0.1585, 0.1671

Square

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



55.7871, 0.3674, 0.5465



55.7871, 0.1347, 0.2667



55.7871, 0.2239, 0.1727



55.7871, 0.5302, 0.3310

Rectangle

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



55.7871, 0.3674, 0.5465



55.7871, 0.2028, 0.4422



55.7871, 0.2239, 0.1727



55.7871, 0.4121, 0.2414

Sweetspot

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



55.7897, 0.3674, 0.5465



91.9659, 0.3429, 0.4083



17.9587, 0.6019, 0.3603



19.4820, 0.3468, 0.4200



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.



55.7897, 0.3674, 0.5465



81.1562, 0.3669, 0.5469



49.7139, 0.3074, 0.5941



14.3266, 0.3221, 0.3524



33.0783, 0.3682, 0.5459



2.0370, 0.3773, 0.5386

Inverse Universe

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



6.0483, 0.1689, 0.0704



8.7385, 0.1681, 0.0700



13.4157, 0.2660, 0.1239



12.1852, 0.3027, 0.3052



3.6287, 0.1702, 0.0711



0.2614, 0.1891, 0.0815

Previews

White Background



This preview shows how the Yxy color 55.7871, 0.3674, 0.5465 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 55.7871, 0.3674, 0.5465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

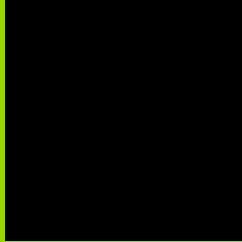
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7871, 0.3674, 0.5465

Background



This preview shows how black text looks on a background with the Yxy color 55.7871, 0.3674, 0.5465.



This preview shows how white text looks on a background with the Yxy color 55.7871, 0.3674, 0.5465.

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

55.7871, 0.3674, 0.5465

Protanopia

55.3047, 0.4400, 0.4888

Deuteranopia

55.0521, 0.4649, 0.4545



Tritanopia

55.6673, 0.2813, 0.3092

Trichromacy



Original Color

55.7871, 0.3674, 0.5465

Protanomaly

54.9215, 0.4125, 0.5107

Deuteranomaly

54.0041, 0.4292, 0.4900

Tritanomaly

53.9769, 0.3285, 0.4204

Monochromacy



Original Color

55.7871, 0.3674, 0.5465

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

45.0699, 0.3535, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7871, 0.3674, 0.5465 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(152, 216, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 216, 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(152, 216, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 216, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.7871, 0.3674, 0.5465 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(152, 216, 0) }
```

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

```
.border{ border-color:rgb(152, 216, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 216, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 216, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 216, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 216,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7871, 0.3674, 0.5465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 216, 0) }
```

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

```
.background{ background-color: rgb(152,  
216, 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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