

Converting Colors

$Y_{xy}(51.5904, 0.3575, 0.5467)$

Have a look what the booklet for
Yxy(51.5904, 0.3575, 0.5467)
contains.

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Color

Yxy(51.5624, 0.3573, 0.5468)

Conversions

Conversions Part 1

Format	Color
Hex	8AD218
RGB	138, 210, 24
RGB Percent	54%, 82%, 9%
CMY	0.4588, 0.1765, 0.9057
CMYK	0.34, 0.00, 0.89, 0.18
HSL	83°, 79%, 46%
HSV	83°, 89%, 82%
XYZ	33.6928, 51.5624, 9.0432
YIQ	167.2680, 16.7940, -73.1100

Conversions

Conversions Part 2

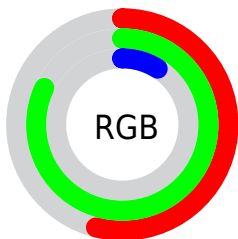
Format	Color
R _Y B	24, 210, 96
Decimal	9097752
CIE Lab	77.02, -47.08, 73.12
CIE LCh	77, 86.961, 122.776
Yxy	51.5624, 0.3573, 0.5468
Android (android.graphics.Color)	4287287832 (0xFF8AD218)
YUV	167.2680, -70.6311, -25.6680
Hunter-Lab	71.8070, -41.9075, 42.7980

Details

The Yxy color **51.5624, 0.3573, 0.5468** 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 **7.7992, 0.1948, 0.0905**, and the grayscale version is **39.1305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1630, 0.3613, 0.5008**, and **25.1050, 0.3388, 0.5692** is the 20% darker color. If you saturate the color by 10%, you get **50.8373, 0.3533, 0.5569**, and if you desaturate by 10%, it is **52.4082, 0.3592, 0.5318**.

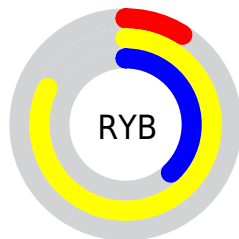
Distribution



Red (54%)

Green (82%)

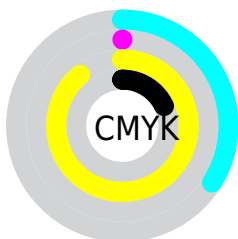
Blue (9%)



Red (9%)

Yellow (82%)

Blue (38%)

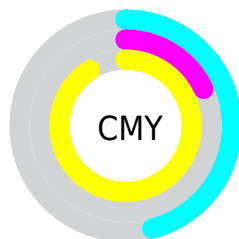


Cyan (34%)

Magenta (0%)

Yellow (89%)

Black (18%)



Cyan (46%)


Magenta (18%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5624, 0.3573, 0.5468 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 51.5624, 0.3573, 0.5468 by changing the saturation by 10% instead.


 51.5624, 0.3573,
0.5468


 51.5624, 0.3573,
0.5468


392.7449, 0.3460,
0.4378


 36.6564, 0.3557,
0.5714


 92.4856, 0.3564,
0.5086


 24.9416, 0.3511,
0.6007


 119.2715, 0.3550,
0.4937

 16.0335, 0.3417,
0.6363


 150.7862, 0.3535,
0.4810

 9.5479, 0.3224,
0.6776

 187.4140, 0.3519,
0.4699

 5.1002, 0.2830,
0.7170

 229.5394, 0.3504,
0.4603

 2.3062, 0.2176,
0.7824

 277.5468, 0.3488,

 0.7770, 0.0000,

0.4519

1.0000

331.8205, 0.3474,
0.4444

■ 0.0000, 0.0000,
0.0000

■ 51.5624, 0.3573,
0.5468

■ 51.5624, 0.3573,
0.5468

■ 50.8373, 0.3533,
0.5569

■ 52.4082, 0.3592,
0.5318

■ 50.7377, 0.3526,
0.5582

■ 53.3852, 0.3587,
0.5119

■ 54.5072, 0.3558,
0.4879

■ 55.7842, 0.3509,
0.4612

■ 57.2250, 0.3444,
0.4329

■ 58.8378, 0.3368,
0.4044

■ 60.6298, 0.3285,
0.3766

■ 62.6081, 0.3200,
0.3502

■ 64.7792, 0.3115,
0.3255

Harmonies

Analogous

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



51.5624, 0.4546, 0.4937



51.5624, 0.3573, 0.5468



51.5624, 0.2546, 0.5095

Triad

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



51.5624, 0.3573, 0.5468



51.5624, 0.1326, 0.1908



51.5624, 0.4605, 0.2690

Complementary

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



51.5624, 0.3573, 0.5468



7.7992, 0.1948, 0.0905

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.



51.5624, 0.3411, 0.2114



51.5624, 0.3573, 0.5468



51.5624, 0.1643, 0.1675

Square

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



51.5624, 0.3573, 0.5468



51.5624, 0.1340, 0.2580



51.5624, 0.2332, 0.1759



51.5624, 0.5317, 0.3384

Rectangle

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



51.5624, 0.3573, 0.5468



51.5624, 0.1963, 0.4273



51.5624, 0.2332, 0.1759



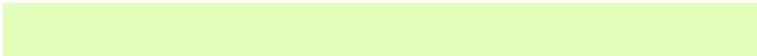
51.5624, 0.4229, 0.2480

Sweetspot

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



51.5647, 0.3573, 0.5468



91.6210, 0.3358, 0.4009



22.0136, 0.5476, 0.3905



19.4166, 0.3385, 0.4107



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.



51.5647, 0.3573, 0.5468



78.6133, 0.3520, 0.5587



46.7366, 0.3054, 0.5866



13.5596, 0.3207, 0.3524



31.0073, 0.3536, 0.5575



1.7788, 0.3656, 0.5479

Inverse Universe

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



7.7992, 0.1948, 0.0905



9.8584, 0.1806, 0.0768



16.0398, 0.2949, 0.1443



11.6377, 0.3042, 0.3054



3.9681, 0.1831, 0.0782



0.2671, 0.2042, 0.0898

Previews

White Background



This preview shows how the Yxy color 51.5624, 0.3573, 0.5468 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 51.5624, 0.3573, 0.5468 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 51.5624, 0.3573, 0.5468

Background



This preview shows how black text looks on a background with the Yxy color 51.5624, 0.3573, 0.5468.



This preview shows how white text looks on a background with the Yxy color 51.5624, 0.3573, 0.5468.

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

51.5624, 0.3573, 0.5468

Protanopia

51.0105, 0.4381, 0.4864

Deuteranopia

51.0169, 0.4617, 0.4524



Tritanopia

51.1043, 0.2749, 0.3083

Trichromacy



Original Color

51.5624, 0.3573, 0.5468

Protanomaly

50.4186, 0.4075, 0.5094

Deuteranomaly

49.9581, 0.4229, 0.4875

Tritanomaly

49.8710, 0.3150, 0.4093

Monochromacy



Original Color

51.5624, 0.3573, 0.5468

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

42.1727, 0.3425, 0.4282

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5624, 0.3573, 0.5468 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(138, 210, 24)` looks like.

```
.text, #text, p{  
    color:rgb(138, 210, 24)  
}
```

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(138, 210, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 210, 24) }
```

Border

The CSS property to change the border of an element to Yxy 51.5624, 0.3573, 0.5468 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(138, 210, 24) }
```

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

```
.border{ border-color:rgb(138, 210, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 210, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 210, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 210, 24);  
box-shadow:4px 4px 4px 4px rgb(138, 210,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5624, 0.3573, 0.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 210, 24) }
```

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

```
.background{ background-color: rgb(138,  
210, 24) }
```

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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