

Converting Colors

$Yxy(57.5144, 0.3664, 0.5597)$

Have a look what the booklet for
Yxy(57.5144, 0.3664, 0.5597)
contains.

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Color

Yxy(57.4823, 0.3622, 0.5506)

Conversions

Conversions Part 1

Format	Color
Hex	94DC00
RGB	148, 220, 0
RGB Percent	58%, 86%, 0%
CMY	0.4194, 0.1373, 0.9997
CMYK	0.33, 0.00, 1.00, 0.14
HSL	80°, 100%, 43%
HSV	80°, 100%, 86%
XYZ	37.8135, 57.4823, 9.1036
YIQ	173.3920, 27.7080, -83.6840

Conversions

Conversions Part 2

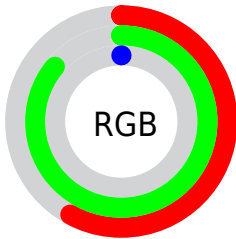
Format	Color
RYB	0, 220, 72
Decimal	9755648
CIELab	80.45, -47.99, 78.84
CIELCh	80, 92.299, 121.332
Yxy	57.4823, 0.3622, 0.5506
Android (android.graphics.Color)	4287945728 (0xFF94DC00)
YUV	173.3920, -85.4823, -22.2688
Hunter-Lab	75.8171, -43.6538, 45.9528

Details

The Yxy color **57.4823, 0.3622, 0.5506** 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 **6.5472, 0.1727, 0.0725**, and the grayscale version is **42.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4573, 0.3703, 0.5009**, and **28.6748, 0.3432, 0.5657** is the 20% darker color. If you saturate the color by 10%, you get **57.4823, 0.3622, 0.5506**, and if you desaturate by 10%, it is **58.2353, 0.3657, 0.5419**.

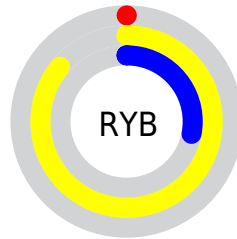
Distribution



Red (58%)

Green (86%)

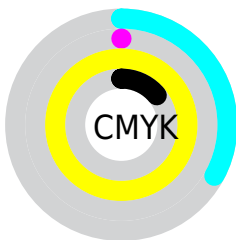
Blue (0%)



Red (0%)

Yellow (86%)

Blue (28%)

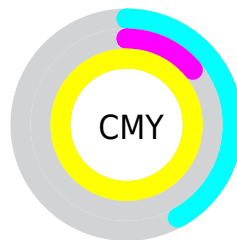


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (42%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.4823, 0.3622, 0.5506 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 57.4823, 0.3622, 0.5506 by changing the saturation by 10% instead.


 57.4823, 0.3622,
0.5506


 57.4823, 0.3622,
0.5506


415.2541, 0.3499,
0.4428


 41.3926, 0.3607,
0.5740


 101.1686, 0.3611,
0.5136


 28.6260, 0.3563,
0.6012


 129.5339, 0.3597,
0.4990


 18.7981, 0.3473,
0.6335


 162.7600, 0.3581,
0.4863

 11.5245, 0.3296,
0.6704

 201.2311, 0.3563,
0.4753

 6.4208, 0.2946,
0.7054

 245.3317, 0.3546,
0.4656

 3.1026, 0.2415,
0.7585

 295.4461, 0.3530,

 1.1855, 0.0000,

0.4571

1.0000

351.9588, 0.3514,
0.4496

■ 0.0498, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4823, 0.3622,
0.5506

■ 58.2353, 0.3657,
0.5419

■ 59.0945, 0.3672,
0.5287

■ 60.0844, 0.3661,
0.5107

■ 61.2180, 0.3626,
0.4884

■ 62.5061, 0.3570,
0.4630

■ 63.9584, 0.3496,
0.4358

■ 65.5836, 0.3410,
0.4079

■ 67.3897, 0.3318,
0.3803

■ 69.3841, 0.3222,
0.3538

Harmonies

Analogous

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



57.4823, 0.4606, 0.4922



57.4823, 0.3622, 0.5506



57.4823, 0.2576, 0.5191

Triad

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



57.4823, 0.3622, 0.5506



57.4823, 0.1289, 0.1902



57.4823, 0.4586, 0.2644

Complementary

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



57.4823, 0.3622, 0.5506



6.5472, 0.1727, 0.0725

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.



57.4823, 0.3355, 0.2070



57.4823, 0.3622, 0.5506



57.4823, 0.1593, 0.1651

Square

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



57.4823, 0.3622, 0.5506



57.4823, 0.1319, 0.2607



57.4823, 0.2272, 0.1722



57.4823, 0.5348, 0.3342

Rectangle

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



57.4823, 0.3622, 0.5506



57.4823, 0.1974, 0.4367



57.4823, 0.2272, 0.1722



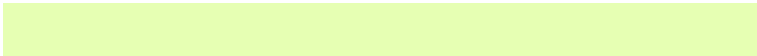
57.4823, 0.4195, 0.2434

Sweetspot

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



57.4848, 0.3622, 0.5506



91.5733, 0.3413, 0.4087



19.5601, 0.5939, 0.3666



19.3880, 0.3450, 0.4206



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.



57.4848, 0.3622, 0.5506



80.2435, 0.3617, 0.5510



51.6430, 0.3055, 0.5956



15.0394, 0.3217, 0.3524



33.8003, 0.3630, 0.5499



2.2357, 0.3724, 0.5425

Inverse Universe

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



6.5472, 0.1727, 0.0725



9.0781, 0.1719, 0.0721



14.8333, 0.2744, 0.1285



12.8230, 0.3032, 0.3052



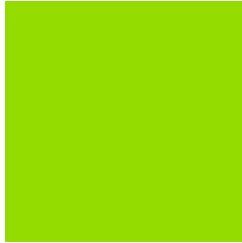
3.8944, 0.1741, 0.0733



0.2982, 0.1922, 0.0832

Previews

White Background



This preview shows how the Yxy color 57.4823, 0.3622, 0.5506 looks on a white background.

Color Contrast Check

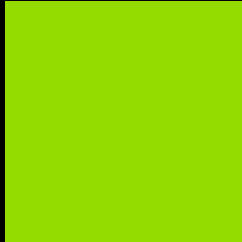
Large Text (above 18pt) WCAG AA × Fail

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 57.4823, 0.3622, 0.5506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

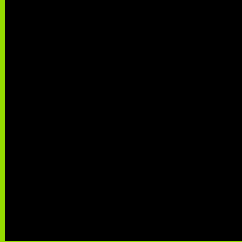
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

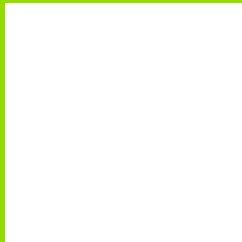
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.4823, 0.3622, 0.5506

Background



This preview shows how black text looks on a background with the Yxy color 57.4823, 0.3622, 0.5506.



This preview shows how white text looks on a background with the Yxy color 57.4823, 0.3622, 0.5506.

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

57.4823, 0.3622, 0.5506

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

56.4576, 0.4651, 0.4541



Tritanopia

56.9522, 0.2771, 0.3081

Trichromacy



Original Color

57.4823, 0.3622, 0.5506

Protanomaly

56.3614, 0.4100, 0.5126

Deuteranomaly

55.5338, 0.4272, 0.4913

Tritanomaly

55.6977, 0.3235, 0.4215

Monochromacy



Original Color

57.4823, 0.3622, 0.5506

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

45.8452, 0.3511, 0.4406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4823, 0.3622, 0.5506 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(148, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 220, 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(148, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 220, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.4823, 0.3622, 0.5506 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(148, 220, 0) }
```

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

```
.border{ border-color:rgb(148, 220, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 220, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 220,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4823, 0.3622, 0.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 220, 0) }
```

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

```
.background{ background-color: rgb(148,  
220, 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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