

Converting Colors

Yxy(57.7604, 0.3451, 0.4979)

Have a look what the booklet for
Yxy(57.7604, 0.3451, 0.4979)
contains.

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Color

Yxy(57.6197, 0.3451, 0.4974)

Conversions

Conversions Part 1

Format	Color
Hex	99DA58
RGB	153, 218, 88
RGB Percent	60%, 85%, 35%
CMY	0.3998, 0.1451, 0.6549
CMYK	0.30, 0.00, 0.60, 0.15
HSL	90°, 64%, 60%
HSV	90°, 60%, 85%
XYZ	39.9770, 57.6197, 18.2451
YIQ	183.7450, 2.9900, -54.2100

Conversions

Conversions Part 2

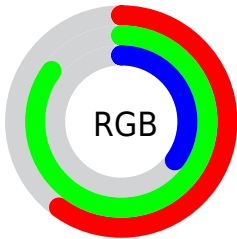
Format	Color
R_YB	88, 218, 153
Decimal	10082904
CIE _{Lab}	80.53, -41.44, 56.16
CIE _{LCh}	81, 69.798, 126.423
Yxy	57.6197, 0.3451, 0.4974
Android (android.graphics.Color)	4288272984 (0xFF99DA58)
YUV	183.7450, -47.2023, -26.9634
Hunter-Lab	75.9076, -38.8308, 38.8845

Details

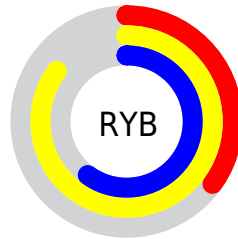
The Yxy color **57.6197, 0.3451, 0.4974** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **18.8061, 0.2513, 0.1614**, and the grayscale version is **48.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1746, 0.3478, 0.4511**, and **28.8401, 0.3444, 0.5432** is the 20% darker color. If you saturate the color by 10%, you get **56.3011, 0.3460, 0.5231**, and if you desaturate by 10%, it is **59.1480, 0.3422, 0.4689**.

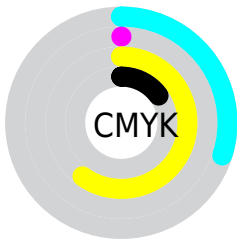
Distribution



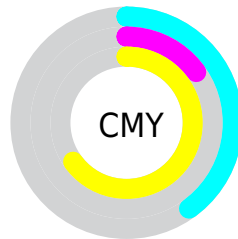
- Red (60%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (60%)



- Cyan (30%)
- Magenta (0%)
- Yellow (60%)
- Black (15%)





- Cyan (40%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6197, 0.3451, 0.4974 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 57.6197, 0.3451, 0.4974 by changing the saturation by 10% instead.


 57.6197, 0.3451,
0.4974


 57.6197, 0.3451,
0.4974


415.7674, 0.3347,
0.4127

 41.5030, 0.3456,
0.5177


 101.3688, 0.3428,
0.4670

 28.7123, 0.3450,
0.5430


 129.7701, 0.3415,
0.4554

 18.8633, 0.3420,
0.5748


 163.0349, 0.3402,
0.4456

 11.5715, 0.3341,
0.6150

 201.5478, 0.3390,
0.4372

 6.4527, 0.3219,
0.6781

245.6931, 0.3378,
0.4298

 3.1222, 0.2754,
0.7246

295.8552, 0.3367,

 1.1959, 0.0743,

0.4234

0.9257

352.4185, 0.3356,
0.4177

■ 0.0583, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6197, 0.3451,
0.4974

■ 57.6197, 0.3451,
0.4974

■ 56.3011, 0.3460,
0.5231

■ 59.1480, 0.3422,
0.4689

■ 55.1723, 0.3447,
0.5444


■ 60.8897, 0.3378,
0.4390


■ 54.2211, 0.3413,
0.5604

■ 62.8575, 0.3322,
0.4091


■ 53.4246, 0.3361,
0.5711


■ 65.0610, 0.3259,
0.3803


 53.3976, 0.3359,
0.5715

 67.5089, 0.3192,
0.3532

 70.2096, 0.3125,
0.3281

 73.1711, 0.3059,
0.3054

 75.9155, 0.3041,
0.2918

 77.8809, 0.3117,
0.2927

Harmonies

Analogous

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



57.6197, 0.4248, 0.4730



57.6197, 0.3451, 0.4974



57.6197, 0.2614, 0.4538

Triad

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



57.6197, 0.3451, 0.4974



57.6197, 0.1656, 0.2146



57.6197, 0.4373, 0.2897

Complementary

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



57.6197, 0.3451, 0.4974



18.8061, 0.2513, 0.1614

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.



57.6197, 0.3481, 0.2385



57.6197, 0.3451, 0.4974



57.6197, 0.1970, 0.1960

Square

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



57.6197, 0.3451, 0.4974



57.6197, 0.1646, 0.2676



57.6197, 0.2596, 0.2054



57.6197, 0.4875, 0.3508

Rectangle

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



57.6197, 0.3451, 0.4974



57.6197, 0.2148, 0.3915



57.6197, 0.2596, 0.2054



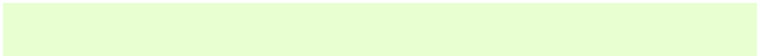
57.6197, 0.4100, 0.2711

Sweetspot

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



57.6222, 0.3451, 0.4974



93.2961, 0.3249, 0.3762



37.6869, 0.4451, 0.4022



19.7609, 0.3268, 0.3844



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.



57.6222, 0.3451, 0.4974



79.7967, 0.3459, 0.5300



53.0264, 0.3048, 0.5203



14.9247, 0.3191, 0.3526



32.0564, 0.3370, 0.5706



2.1280, 0.3494, 0.5608

Inverse Universe

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



18.8061, 0.2513, 0.1614



19.5763, 0.2340, 0.1292



26.6129, 0.3169, 0.1899



12.9351, 0.3059, 0.3054



5.0407, 0.2027, 0.0890



0.3778, 0.2204, 0.0988

Previews

White Background



This preview shows how the Yxy color 57.6197, 0.3451, 0.4974 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 57.6197, 0.3451, 0.4974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

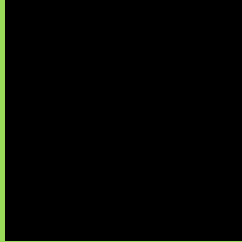
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6197, 0.3451, 0.4974

Background



This preview shows how black text looks on a background with the Yxy color 57.6197, 0.3451, 0.4974.



This preview shows how white text looks on a background with the Yxy color 57.6197, 0.3451, 0.4974.

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

57.6197, 0.3451, 0.4974

Protanopia

56.8282, 0.4147, 0.4553

Deuteranopia

56.6522, 0.4340, 0.4242



Tritanopia

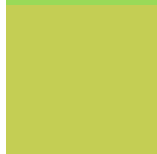
57.1768, 0.2784, 0.3081

Trichromacy



Original Color

57.6197, 0.3451, 0.4974



Protanomaly

56.5185, 0.3876, 0.4718



Deuteranomaly

56.0959, 0.4001, 0.4508



Tritanomaly

56.6174, 0.3047, 0.3761

Monochromacy



Original Color

57.6197, 0.3451, 0.4974



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.5340, 0.3290, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6197, 0.3451, 0.4974 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(153, 218, 88)` looks like.

```
.text, #text, p{  
    color:rgb(153, 218, 88)  
}
```

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(153, 218, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 218, 88) }
```

Border

The CSS property to change the border of an element to Yxy 57.6197, 0.3451, 0.4974 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(153, 218, 88) }
```

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

```
.border{ border-color:rgb(153, 218, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 218, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 218, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 218, 88);  
box-shadow:4px 4px 4px 4px rgb(153, 218,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6197, 0.3451, 0.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 218, 88) }
```

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

```
.background{ background-color: rgb(153,  
218, 88) }
```

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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