

Converting Colors

Yxy(62.9640, 0.3318, 0.5438)

Have a look what the booklet for
Yxy(62.9640, 0.3318, 0.5438)
contains.

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Color

Yxy(62.9640, 0.3318, 0.5438)

Conversions

Conversions Part 1

Format	Color
Hex	7DE93C
RGB	125, 233, 60
RGB Percent	49%, 91%, 24%
CMY	0.5096, 0.0863, 0.7647
CMYK	0.46, 0.00, 0.74, 0.09
HSL	97°, 80%, 57%
HSV	97°, 74%, 91%
XYZ	38.4175, 62.9640, 14.4037
YIQ	180.9860, -8.8350, -76.6990

Conversions

Conversions Part 2

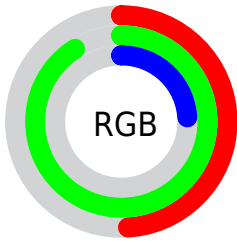
Format	Color
RYB	60, 233, 168
Decimal	8251708
CIELab	83.42, -58.86, 69.51
CIELCh	83, 91.087, 130.257
Yxy	62.9640, 0.3318, 0.5438
Android (android.graphics.Color)	4286441788 (0xFF7DE93C)
YUV	180.9860, -59.6461, -49.0997
Hunter-Lab	79.3499, -52.4408, 44.7825

Details

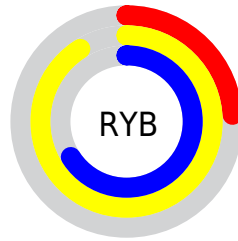
The Yxy color **62.9640, 0.3318, 0.5438** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **17.4356, 0.2524, 0.1355**, and the grayscale version is **46.5410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1423, 0.3427, 0.4827**, and **32.0428, 0.3187, 0.5852** is the 20% darker color. If you saturate the color by 10%, you get **61.7562, 0.3285, 0.5641**, and if you desaturate by 10%, it is **64.4458, 0.3333, 0.5180**.

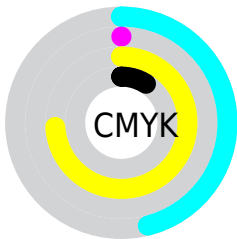
Distribution



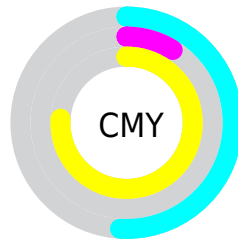
- Red (49%)
- Green (91%)
- Blue (24%)



- Red (24%)
- Yellow (91%)
- Blue (66%)



- Cyan (46%)
- Magenta (0%)
- Yellow (74%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9640, 0.3318, 0.5438 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 62.9640, 0.3318, 0.5438 by changing the saturation by 10% instead.


 62.9640, 0.3318,
0.5438


 62.9640, 0.3318,
0.5438


435.4388, 0.3315,
0.4366

 45.8121, 0.3288,
0.5687


 109.1176, 0.3340,
0.5059


 32.0976, 0.3232,
0.5989


 138.8880, 0.3342,
0.4913

 21.4360, 0.3132,
0.6358


 173.6334, 0.3340,
0.4788

 13.4431, 0.2970,
0.6840

 213.7382, 0.3337,
0.4680

 7.7344, 0.2648,
0.7352

 259.5867, 0.3332,
0.4586

 3.9254, 0.2097,
0.7903

311.5634, 0.3327,

 1.6319, 0.0000,

0.4504

1.0000

370.0527, 0.3321,
0.4431

0.3790, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.9640, 0.3318,
0.5438

62.9640, 0.3318,
0.5438

61.7562, 0.3285,
0.5641

64.4458, 0.3333,
0.5180

60.7920, 0.3236,
0.5781

66.2126, 0.3329,
0.4885

60.3320, 0.3205,
0.5837

68.2842, 0.3310,
0.4571

70.6761, 0.3279,
0.4254

■ 73.4027, 0.3239,
0.3947

■ 76.4774, 0.3195,
0.3659

■ 79.9126, 0.3147,
0.3395

■ 83.7205, 0.3100,
0.3156

■ 86.7566, 0.3137,
0.3078

Harmonies

Analogous

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



62.9640, 0.4309, 0.5089



62.9640, 0.3318, 0.5438



62.9640, 0.2330, 0.4789

Triad

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



62.9640, 0.3318, 0.5438



62.9640, 0.1398, 0.1840



62.9640, 0.4817, 0.2867

Complementary

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



62.9640, 0.3318, 0.5438



17.4356, 0.2524, 0.1355

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.



62.9640, 0.3709, 0.2258



62.9640, 0.3318, 0.5438



62.9640, 0.1798, 0.1693

Square

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



62.9640, 0.3318, 0.5438



62.9640, 0.1331, 0.2382



62.9640, 0.2579, 0.1844



62.9640, 0.5328, 0.3571

Rectangle

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



62.9640, 0.3318, 0.5438



62.9640, 0.1812, 0.3905



62.9640, 0.2579, 0.1844



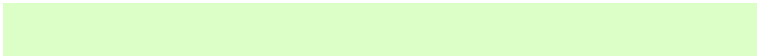
62.9640, 0.4488, 0.2649

Sweetspot

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



62.9667, 0.3318, 0.5438



90.8534, 0.3230, 0.3883



45.1718, 0.4641, 0.4351



19.2370, 0.3242, 0.3964



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.



62.9667, 0.3318, 0.5438



75.1401, 0.3262, 0.5722



59.8195, 0.2958, 0.5451



17.1380, 0.3172, 0.3530



34.2997, 0.3216, 0.5829



2.7468, 0.3324, 0.5743

Inverse Universe

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



17.4356, 0.2524, 0.1355



16.5621, 0.2371, 0.1123



25.3506, 0.3426, 0.1840



15.0145, 0.3078, 0.3053



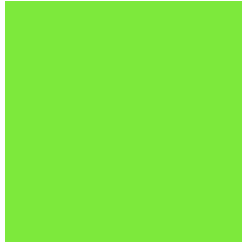
6.8474, 0.2287, 0.1033



0.5924, 0.2414, 0.1103

Previews

White Background



This preview shows how the Yxy color 62.9640, 0.3318, 0.5438 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 62.9640, 0.3318, 0.5438 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 62.9640, 0.3318, 0.5438

Background



This preview shows how black text looks on a background with the Yxy color 62.9640, 0.3318, 0.5438.



This preview shows how white text looks on a background with the Yxy color 62.9640, 0.3318, 0.5438.

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

62.9640, 0.3318, 0.5438

Protanopia

62.0385, 0.4304, 0.4748

Deuteranopia

61.9307, 0.4400, 0.4322



Tritanopia

62.3962, 0.2606, 0.3071

Trichromacy



Original Color

62.9640, 0.3318, 0.5438



Protanomaly

60.7347, 0.3907, 0.5021



Deuteranomaly

60.0676, 0.3978, 0.4735



Tritanomaly

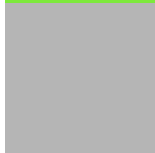
61.5553, 0.2914, 0.3980

Monochromacy



Original Color

62.9640, 0.3318, 0.5438



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.6918, 0.3270, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9640, 0.3318, 0.5438 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(125, 233, 60)` looks like.

```
.text, #text, p{  
    color:rgb(125, 233, 60)  
}
```

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(125, 233, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 233, 60) }
```

Border

The CSS property to change the border of an element to Yxy 62.9640, 0.3318, 0.5438 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(125, 233, 60) }
```

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

```
.border{ border-color:rgb(125, 233, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 233, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 233, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 233, 60);  
box-shadow:4px 4px 4px 4px rgb(125, 233,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9640, 0.3318, 0.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 233, 60) }
```

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

```
.background{ background-color: rgb(125,  
233, 60) }
```

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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