

Converting Colors

$Y_{xy}(62.5241, 0.3258, 0.5241)$

Have a look what the booklet for
Yxy(62.5241, 0.3258, 0.5241)
contains.

Yxy(62.7580, 0.3255, 0.5239)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.7580, 0.3255, 0.5239)

Conversions

Conversions Part 1

Format	Color
Hex	7EE852
RGB	126, 232, 82
RGB Percent	49%, 91%, 32%
CMY	0.5056, 0.0902, 0.6784
CMYK	0.46, 0.00, 0.65, 0.09
HSL	102°, 77%, 62%
HSV	102°, 65%, 91%
XYZ	38.9917, 62.7580, 18.0404
YIQ	183.2060, -15.0260, -69.1220

Conversions

Conversions Part 2

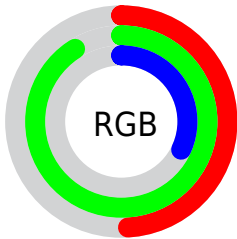
Format	Color
RYB	82, 232, 188
Decimal	8317010
CIELab	83.31, -56.56, 61.38
CIELCh	83, 83.471, 132.659
Yxy	62.7580, 0.3255, 0.5239
Android (android.graphics.Color)	4286507090 (0xFF7EE852)
YUV	183.2060, -49.8946, -50.1697
Hunter-Lab	79.2199, -50.7781, 41.9521

Details

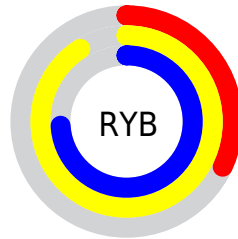
The Yxy color **62.7580, 0.3255, 0.5239** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **22.5423, 0.2745, 0.1616**, and the grayscale version is **47.7689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6404, 0.3339, 0.4632**, and **31.7936, 0.3184, 0.5767** is the 20% darker color. If you saturate the color by 10%, you get **61.3192, 0.3234, 0.5505**, and if you desaturate by 10%, it is **64.5255, 0.3261, 0.4933**.

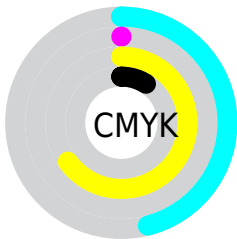
Distribution



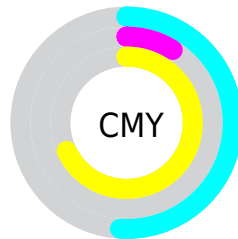
- Red (49%)
- Green (91%)
- Blue (32%)



- Red (32%)
- Yellow (91%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (65%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7580, 0.3255, 0.5239 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 62.7580, 0.3255, 0.5239 by changing the saturation by 10% instead.


 62.7580, 0.3255,
0.5239

 62.7580, 0.3255,
0.5239


434.6907, 0.3262,
0.4257


 45.6455, 0.3230,
0.5474


 108.8203, 0.3275,
0.4887

 31.9661, 0.3185,
0.5765


 138.5389, 0.3277,
0.4753

 21.3356, 0.3104,
0.6129


 173.2282, 0.3277,
0.4639

 13.3696, 0.2956,
0.6586

 213.2727, 0.3275,
0.4541

 7.6835, 0.2731,
0.7269

259.0569, 0.3272,
0.4456

 3.8931, 0.2194,
0.7806

310.9650, 0.3269,

 1.6140, 0.0124,

0.4381

0.9876

369.3814, 0.3266,
0.4316

■ 0.3670, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7580, 0.3255,
0.5239

■ 62.7580, 0.3255,
0.5239

■ 61.3192, 0.3234,
0.5505

■ 64.5255, 0.3261,
0.4933

■ 60.1785, 0.3200,
0.5711


■ 66.6338, 0.3253,
0.4607

■ 59.3125, 0.3153,
0.5848


■ 69.1038, 0.3235,
0.4280


■ 58.9452, 0.3127,
0.5899

■ 71.9525, 0.3208,
0.3966

 75.1955, 0.3177,
0.3672

 78.8479, 0.3143,
0.3405

 82.9235, 0.3109,
0.3165

 86.1903, 0.3138,
0.3068

Harmonies

Analogous

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



62.7580, 0.4188, 0.5023



62.7580, 0.3255, 0.5239



62.7580, 0.2337, 0.4562

Triad

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



62.7580, 0.3255, 0.5239



62.7580, 0.1521, 0.1916



62.7580, 0.4744, 0.2960

Complementary

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



62.7580, 0.3255, 0.5239



22.5423, 0.2745, 0.1616

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.



62.7580, 0.3757, 0.2369



62.7580, 0.3255, 0.5239



62.7580, 0.1933, 0.1793

Square

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



62.7580, 0.3255, 0.5239



62.7580, 0.1436, 0.2403



62.7580, 0.2700, 0.1957



62.7580, 0.5171, 0.3639

Rectangle

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



62.7580, 0.3255, 0.5239



62.7580, 0.1865, 0.3759



62.7580, 0.2700, 0.1957



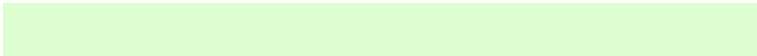
62.7580, 0.4456, 0.2749

Sweetspot

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



62.7607, 0.3255, 0.5239



91.3416, 0.3191, 0.3800



53.3034, 0.4331, 0.4392



19.3063, 0.3200, 0.3885



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.



62.7607, 0.3255, 0.5239



75.4204, 0.3223, 0.5590



60.6740, 0.2911, 0.5010



16.2933, 0.3160, 0.3530



32.7821, 0.3137, 0.5891



2.4691, 0.3246, 0.5805

Inverse Universe

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



22.5423, 0.2745, 0.1616



21.8688, 0.2635, 0.1360



27.4538, 0.3528, 0.2063



14.3915, 0.3091, 0.3055



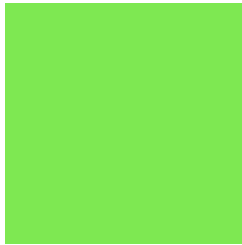
7.6741, 0.2479, 0.1139



0.6144, 0.2589, 0.1200

Previews

White Background



This preview shows how the Yxy color 62.7580, 0.3255, 0.5239 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 62.7580, 0.3255, 0.5239 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 62.7580, 0.3255, 0.5239

Background



This preview shows how black text looks on a background with the Yxy color 62.7580, 0.3255, 0.5239.

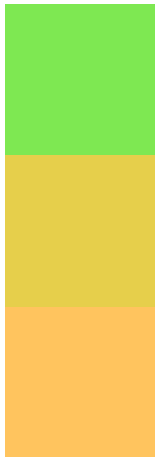


This preview shows how white text looks on a background with the Yxy color 62.7580, 0.3255, 0.5239.

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

62.7580, 0.3255, 0.5239

Protanopia

61.9566, 0.4201, 0.4630

Deuteranopia

61.5480, 0.4384, 0.4283



Tritanopia

62.3962, 0.2606, 0.3071

Trichromacy



Original Color

62.7580, 0.3255, 0.5239



Protanomaly

60.8683, 0.3814, 0.4870



Deuteranomaly

59.7490, 0.3929, 0.4634



Tritanomaly

61.3369, 0.2867, 0.3857

Monochromacy



Original Color

62.7580, 0.3255, 0.5239



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.5300, 0.3214, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7580, 0.3255, 0.5239 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(126, 232, 82)` looks like.

```
.text, #text, p{  
    color:rgb(126, 232, 82)  
}
```

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(126, 232, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 232, 82) }
```

Border

The CSS property to change the border of an element to Yxy 62.7580, 0.3255, 0.5239 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(126, 232, 82) }
```

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

```
.border{ border-color:rgb(126, 232, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 232, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 232, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 232, 82);  
box-shadow:4px 4px 4px 4px rgb(126, 232,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7580, 0.3255, 0.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 232, 82) }
```

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

```
.background{ background-color: rgb(126,  
232, 82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor