

Converting Colors

$Yxy(62.7860, 0.3285, 0.5317)$

Have a look what the booklet for
Yxy(62.7860, 0.3285, 0.5317)
contains.

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Color

Yxy(62.6433, 0.3283, 0.5315)

Conversions

Conversions Part 1

Format	Color
Hex	7EE84A
RGB	126, 232, 74
RGB Percent	49%, 91%, 29%
CMY	0.5060, 0.0902, 0.7099
CMYK	0.46, 0.00, 0.68, 0.09
HSL	100°, 77%, 60%
HSV	100°, 68%, 91%
XYZ	38.6939, 62.6433, 16.5242
YIQ	182.2940, -12.4580, -71.6100

Conversions

Conversions Part 2

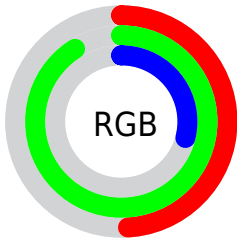
Format	Color
RYB	74, 232, 180
Decimal	8317002
CIELab	83.25, -57.25, 64.45
CIELCh	83, 86.204, 131.615
Yxy	62.6433, 0.3283, 0.5315
Android (android.graphics.Color)	4286507082 (0xFF7EE84A)
YUV	182.2940, -53.3889, -49.3698
Hunter-Lab	79.1475, -51.2425, 43.0249

Details

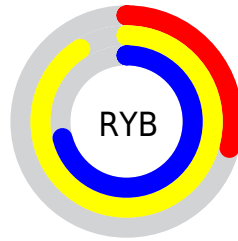
The Yxy color **62.6433, 0.3283, 0.5315** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **20.4228, 0.2661, 0.1517**, and the grayscale version is **47.2470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4460, 0.3372, 0.4706**, and **31.7499, 0.3206, 0.5836** is the 20% darker color. If you saturate the color by 10%, you get **61.2965, 0.3259, 0.5559**, and if you desaturate by 10%, it is **64.2948, 0.3291, 0.5025**.

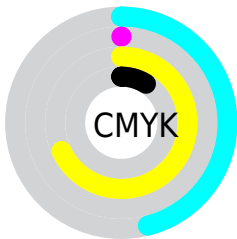
Distribution



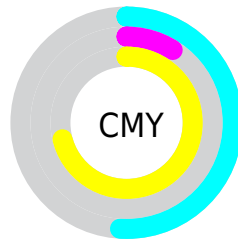
- Red (49%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6433, 0.3283, 0.5315 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 62.6433, 0.3283, 0.5315 by changing the saturation by 10% instead.

 62.6433, 0.3283,
0.5315

 62.6433, 0.3283,
0.5315


434.2738, 0.3284,
0.4298

 45.5527, 0.3257,
0.5556

 108.6547, 0.3303,
0.4952

 31.8930, 0.3208,
0.5852


 138.3444, 0.3305,
0.4813


 21.2798, 0.3121,
0.6219


 173.0025, 0.3303,
0.4695

 13.3287, 0.2965,
0.6680

 213.0134, 0.3301,
0.4593

 7.6553, 0.2702,
0.7298

 258.7616, 0.3297,
0.4505

 3.8752, 0.2159,
0.7841

310.6315, 0.3293,

 1.6040, 0.0000,

0.4427

1.0000

369.0074, 0.3288,
0.4359

■ 0.3603, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.6433, 0.3283,
0.5315

■ 62.6433, 0.3283,
0.5315

■ 61.2965, 0.3259,
0.5559

■ 64.2948, 0.3291,
0.5025

■ 60.2245, 0.3219,
0.5741


■ 66.2622, 0.3283,
0.4709


■ 59.4019, 0.3168,
0.5856


■ 68.5658, 0.3263,
0.4385

■ 59.2689, 0.3158,
0.5874

■ 71.2215, 0.3234,
0.4069

 74.2444, 0.3199,
0.3770

 77.6486, 0.3160,
0.3494

 81.4472, 0.3120,
0.3245

 85.3548, 0.3108,
0.3066

 86.1978, 0.3138,
0.3068

Harmonies

Analogous

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



62.6433, 0.4237, 0.5048



62.6433, 0.3283, 0.5315



62.6433, 0.2338, 0.4649

Triad

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



62.6433, 0.3283, 0.5315



62.6433, 0.1474, 0.1888



62.6433, 0.4769, 0.2923

Complementary

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



62.6433, 0.3283, 0.5315



20.4228, 0.2661, 0.1517

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.



62.6433, 0.3735, 0.2325



62.6433, 0.3283, 0.5315



62.6433, 0.1880, 0.1755

Square

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



62.6433, 0.3283, 0.5315



62.6433, 0.1396, 0.2398



62.6433, 0.2651, 0.1914



62.6433, 0.5230, 0.3612

Rectangle

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



62.6433, 0.3283, 0.5315



62.6433, 0.1848, 0.3817



62.6433, 0.2651, 0.1914



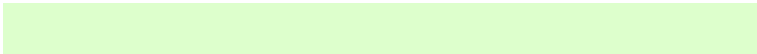
62.6433, 0.4465, 0.2709

Sweetspot

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



62.6460, 0.3283, 0.5315



91.2180, 0.3206, 0.3827



50.0231, 0.4440, 0.4381



19.2934, 0.3216, 0.3911



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.



62.6460, 0.3283, 0.5315



75.3422, 0.3243, 0.5645



60.0985, 0.2930, 0.5179



16.3183, 0.3165, 0.3529



32.9622, 0.3169, 0.5866



2.4848, 0.3281, 0.5777

Inverse Universe

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



20.4228, 0.2661, 0.1517



19.6282, 0.2532, 0.1264



26.4907, 0.3491, 0.1975



14.3651, 0.3085, 0.3055



7.2099, 0.2395, 0.1093



0.5828, 0.2516, 0.1160

Previews

White Background



This preview shows how the Yxy color 62.6433, 0.3283, 0.5315 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 62.6433, 0.3283, 0.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

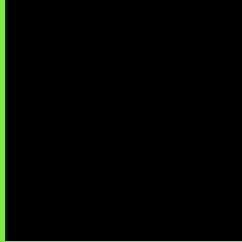
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

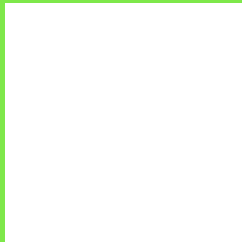
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.6433, 0.3283, 0.5315

Background



This preview shows how black text looks on a background with the Yxy color 62.6433, 0.3283, 0.5315.

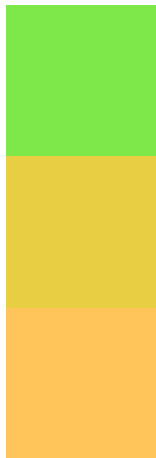


This preview shows how white text looks on a background with the Yxy color 62.6433, 0.3283, 0.5315.

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

62.6433, 0.3283, 0.5315

Protanopia

61.5368, 0.4252, 0.4669

Deuteranopia

61.4780, 0.4408, 0.4313



Tritanopia

62.3385, 0.2611, 0.3083

Trichromacy



Original Color

62.6433, 0.3283, 0.5315



Protanomaly

60.3805, 0.3862, 0.4920



Deuteranomaly

59.6509, 0.3960, 0.4686



Tritanomaly

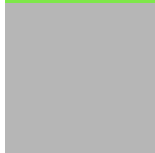
61.2168, 0.2884, 0.3899

Monochromacy



Original Color

62.6433, 0.3283, 0.5315



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.9731, 0.3236, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6433, 0.3283, 0.5315 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(126, 232, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 232, 74) }
```

Border

The CSS property to change the border of an element to Yxy 62.6433, 0.3283, 0.5315 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, 74) }
```

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

```
.border{ border-color:rgb(126, 232, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 232, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 232, 74);  
box-shadow:4px 4px 4px 4px rgb(126, 232,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6433, 0.3283, 0.5315 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, 74) }
```

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

```
.background{ background-color: rgb(126,  
232, 74) }
```

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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