

Converting Colors

Yxy(62.0581, 0.3286, 0.4849)

Have a look what the booklet for
Yxy(62.0581, 0.3286, 0.4849)
contains.

Yxy(62.2239, 0.3287, 0.4846)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.2239, 0.3287, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	93E36C
RGB	147, 227, 108
RGB Percent	58%, 89%, 42%
CMY	0.4236, 0.1098, 0.5765
CMYK	0.35, 0.00, 0.52, 0.11
HSL	100°, 68%, 66%
HSV	100°, 52%, 89%
XYZ	42.2059, 62.2239, 23.9728
YIQ	189.5140, -9.4810, -53.9690

Conversions

Conversions Part 2

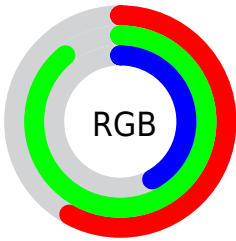
Format	Color
RYB	108, 227, 188
Decimal	9692012
CIELab	83.03, -45.40, 49.98
CIELCh	83, 67.523, 132.255
Yxy	62.2239, 0.3287, 0.4846
Android (android.graphics.Color)	4287882092 (0xFF93E36C)
YUV	189.5140, -40.1864, -37.2848
Hunter-Lab	78.8821, -42.5372, 37.1989

Details

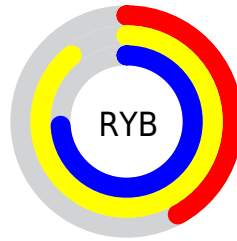
The Yxy color **62.2239, 0.3287, 0.4846** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **26.9668, 0.2801, 0.1890**, and the grayscale version is **51.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9660, 0.3333, 0.4314**, and **31.6258, 0.3268, 0.5282** is the 20% darker color. If you saturate the color by 10%, you get **60.4859, 0.3288, 0.5153**, and if you desaturate by 10%, it is **64.2804, 0.3272, 0.4524**.

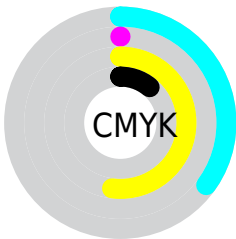
Distribution



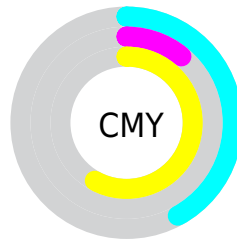
- Red (58%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (74%)



- Cyan (35%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2239, 0.3287, 0.4846 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 62.2239, 0.3287, 0.4846 by changing the saturation by 10% instead.

 62.2239, 0.3287,
0.4846

 62.2239, 0.3287,
0.4846


432.7473, 0.3252,
0.4063


 45.2136, 0.3281,
0.5037


 108.0491, 0.3285,
0.4564

 31.6257, 0.3265,
0.5276


 137.6328, 0.3281,
0.4457

 21.0758, 0.3230,
0.5584


 172.1764, 0.3276,
0.4366

 13.1794, 0.3155,
0.5986

 212.0643, 0.3271,
0.4288

 7.5522, 0.3018,
0.6559

257.6810, 0.3266,
0.4221

 3.8098, 0.2700,
0.7300

309.4108, 0.3261,

 1.5677, 0.1436,

0.4162

0.8564

367.6381, 0.3256,
0.4110

0.3357, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.2239, 0.3287,
0.4846

62.2239, 0.3287,
0.4846

60.4859, 0.3288,
0.5153

64.2804, 0.3272,
0.4524

59.0409, 0.3273,
0.5425


66.6631, 0.3247,
0.4202


57.8725, 0.3242,
0.5644


69.3894, 0.3214,
0.3895

56.9583, 0.3197,
0.5798


72.4730, 0.3176,
0.3609

 56.4125, 0.3158,
0.5875

 75.9268, 0.3137,
0.3349

 79.7631, 0.3097,
0.3116

 83.2028, 0.3132,
0.3018

 83.4225, 0.3140,
0.3019

Harmonies

Analogous

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



62.2239, 0.4067, 0.4741



62.2239, 0.3287, 0.4846



62.2239, 0.2507, 0.4305

Triad

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



62.2239, 0.3287, 0.4846



62.2239, 0.1759, 0.2146



62.2239, 0.4433, 0.3030

Complementary

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



62.2239, 0.3287, 0.4846



26.9668, 0.2801, 0.1890

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.



62.2239, 0.3638, 0.2513



62.2239, 0.3287, 0.4846



62.2239, 0.2120, 0.2020

Square

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



62.2239, 0.3287, 0.4846



62.2239, 0.1693, 0.2589



62.2239, 0.2774, 0.2156



62.2239, 0.4808, 0.3629

Rectangle

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



62.2239, 0.3287, 0.4846



62.2239, 0.2095, 0.3693



62.2239, 0.2774, 0.2156



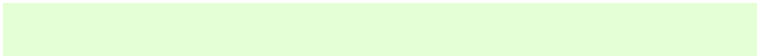
62.2239, 0.4200, 0.2845

Sweetspot

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



62.2266, 0.3287, 0.4846



92.8080, 0.3191, 0.3712



53.0996, 0.4112, 0.4181



19.6862, 0.3198, 0.3771



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.



62.2266, 0.3287, 0.4846



78.5348, 0.3287, 0.5182



59.6849, 0.2953, 0.4695



16.3172, 0.3165, 0.3529



32.9537, 0.3168, 0.5867



2.4841, 0.3279, 0.5778

Inverse Universe

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



26.9668, 0.2801, 0.1890



27.8973, 0.2706, 0.1622



31.5711, 0.3389, 0.2214



14.3663, 0.3086, 0.3055



7.2299, 0.2399, 0.1095



0.5841, 0.2519, 0.1162

Previews

White Background



This preview shows how the Yxy color 62.2239, 0.3287, 0.4846 looks on a white background.

Color Contrast Check

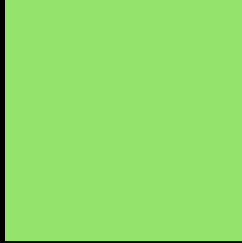
Large Text (above 18pt) WCAG AA × Fail

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 62.2239, 0.3287, 0.4846 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 62.2239, 0.3287, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 62.2239, 0.3287, 0.4846.



This preview shows how white text looks on a background with the Yxy color 62.2239, 0.3287, 0.4846.

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

62.2239, 0.3287, 0.4846

Protanopia

61.5762, 0.4052, 0.4423

Deuteranopia

61.2500, 0.4207, 0.4112



Tritanopia

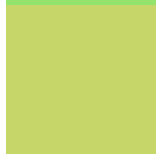
62.0781, 0.2704, 0.3085

Trichromacy



Original Color

62.2239, 0.3287, 0.4846



Protanomaly

61.2347, 0.3750, 0.4583



Deuteranomaly

59.9640, 0.3846, 0.4373



Tritanomaly

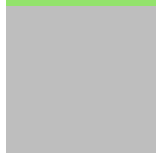
61.6818, 0.2930, 0.3712

Monochromacy



Original Color

62.2239, 0.3287, 0.4846



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.2486, 0.3208, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2239, 0.3287, 0.4846 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(147, 227, 108)` looks like.

```
.text, #text, p{  
    color:rgb(147, 227, 108)  
}
```

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(147, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 227, 108) }
```

Border

The CSS property to change the border of an element to Yxy 62.2239, 0.3287, 0.4846 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(147, 227, 108) }
```

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

```
.border{ border-color:rgb(147, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(147, 227,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2239, 0.3287, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 227, 108) }
```

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

```
.background{ background-color: rgb(147,  
227, 108) }
```

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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