

Converting Colors

Yxy(62.1634, 0.3116, 0.4982)

Have a look what the booklet for
Yxy(62.1634, 0.3116, 0.4982)
contains.

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Color

Yxy(62.1353, 0.3111, 0.4978)

Conversions

Conversions Part 1

Format	Color
Hex	77E76B
RGB	119, 231, 107
RGB Percent	47%, 91%, 42%
CMY	0.5335, 0.0941, 0.5804
CMYK	0.49, 0.00, 0.54, 0.09
HSL	114°, 72%, 66%
HSV	114°, 54%, 91%
XYZ	38.8314, 62.1353, 23.8531
YIQ	183.3760, -26.9480, -62.3080

Conversions

Conversions Part 2

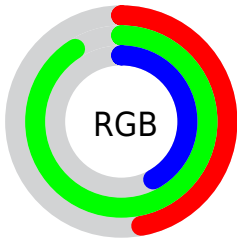
Format	Color
RYB	107, 231, 219
Decimal	7858027
CIELab	82.99, -55.65, 50.10
CIELCh	83, 74.879, 138.006
Yxy	62.1353, 0.3111, 0.4978
Android (android.graphics.Color)	4286048107 (0xFF77E76B)
YUV	183.3760, -37.6534, -56.4578
Hunter-Lab	78.8259, -50.0123, 37.2368

Details

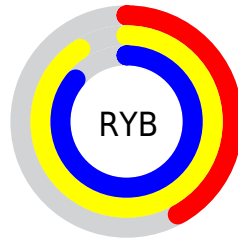
The Yxy color **62.1353, 0.3111, 0.4978** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.3524, 0.3070, 0.1968**, and the grayscale version is **47.7868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5582, 0.3174, 0.4380**, and **31.4083, 0.3040, 0.5460** is the 20% darker color. If you saturate the color by 10%, you get **60.3975, 0.3095, 0.5308**, and if you desaturate by 10%, it is **64.3325, 0.3122, 0.4628**.

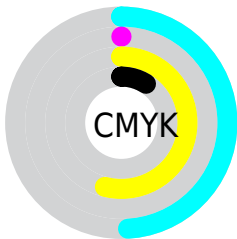
Distribution



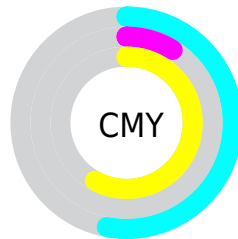
- Red (47%)
- Green (91%)
- Blue (42%)



- Red (42%)
- Yellow (91%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (53%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1353, 0.3111, 0.4978 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 62.1353, 0.3111, 0.4978 by changing the saturation by 10% instead.


 62.1353, 0.3111,
0.4978

 62.1353, 0.3111,
0.4978


432.4244, 0.3165,
0.4118

 45.1420, 0.3083,
0.5191

 107.9211, 0.3142,
0.4665

 31.5693, 0.3038,
0.5460


 137.4823, 0.3150,
0.4548

 21.0328, 0.2965,
0.5809


 172.0017, 0.3156,
0.4448

 13.1479, 0.2840,
0.6269

 211.8637, 0.3159,
0.4363

 7.5305, 0.2632,
0.6932

257.4525, 0.3162,
0.4289

 3.7960, 0.2214,
0.7786

309.1526, 0.3164,

 1.5601, 0.0050,

0.4225

0.9950

367.3485, 0.3165,
0.4168

0.3305, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.1353, 0.3111,
0.4978

62.1353, 0.3111,
0.4978

60.3975, 0.3095,
0.5308

64.3325, 0.3122,
0.4628

59.0791, 0.3076,
0.5592


67.0101, 0.3129,
0.4280


58.1465, 0.3053,
0.5807


70.1974, 0.3131,
0.3951

57.5570, 0.3030,
0.5938

73.9188, 0.3131,
0.3650

 57.3321, 0.3019,
0.5985

 78.1975, 0.3128,
0.3381

 83.0550, 0.3124,
0.3144

 85.6384, 0.3138,
0.3058

Harmonies

Analogous

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



62.1353, 0.3981, 0.4952



62.1353, 0.3111, 0.4978



62.1353, 0.2291, 0.4242

Triad

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



62.1353, 0.3111, 0.4978



62.1353, 0.1691, 0.1989



62.1353, 0.4700, 0.3112

Complementary

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



62.1353, 0.3111, 0.4978



31.3524, 0.3070, 0.1968

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.



62.1353, 0.3877, 0.2536



62.1353, 0.3111, 0.4978



62.1353, 0.2136, 0.1918

Square

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



62.1353, 0.3111, 0.4978



62.1353, 0.1559, 0.2385



62.1353, 0.2903, 0.2114



62.1353, 0.4987, 0.3760

Rectangle

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



62.1353, 0.3111, 0.4978



62.1353, 0.1890, 0.3525



62.1353, 0.2903, 0.2114



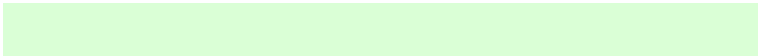
62.1353, 0.4471, 0.2908

Sweetspot

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



62.1379, 0.3111, 0.4978



91.3112, 0.3131, 0.3719



68.5118, 0.3969, 0.4470



19.3334, 0.3131, 0.3781



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.



62.1379, 0.3111, 0.4978



75.4481, 0.3094, 0.5329



62.7043, 0.2805, 0.4322



16.1553, 0.3130, 0.3532



32.1612, 0.3023, 0.5982



2.3994, 0.3081, 0.5936

Inverse Universe

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



31.3524, 0.3070, 0.1968



33.2370, 0.3048, 0.1761



30.8571, 0.3731, 0.2471



14.5409, 0.3123, 0.3057



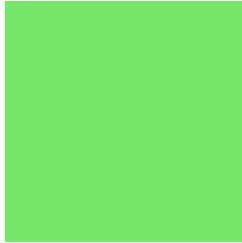
10.8420, 0.2968, 0.1409



0.8218, 0.3006, 0.1429

Previews

White Background



This preview shows how the Yxy color 62.1353, 0.3111, 0.4978 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 62.1353, 0.3111, 0.4978 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 62.1353, 0.3111, 0.4978

Background



This preview shows how black text looks on a background with the Yxy color 62.1353, 0.3111, 0.4978.



This preview shows how white text looks on a background with the Yxy color 62.1353, 0.3111, 0.4978.

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

62.1353, 0.3111, 0.4978

Protanopia

60.8944, 0.4062, 0.4436

Deuteranopia

61.0648, 0.4199, 0.4115



Tritanopia

61.6436, 0.2563, 0.3068

Trichromacy



Original Color

62.1353, 0.3111, 0.4978



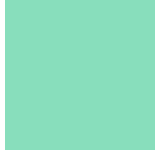
Protanomaly

59.7438, 0.3671, 0.4648



Deuteranomaly

59.3497, 0.3744, 0.4432



Tritanomaly

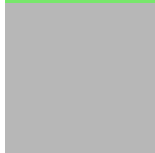
61.1076, 0.2775, 0.3739

Monochromacy



Original Color

62.1353, 0.3111, 0.4978



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.1487, 0.3137, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1353, 0.3111, 0.4978 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(119, 231, 107)` looks like.

```
.text, #text, p{  
    color:rgb(119, 231, 107)  
}
```

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(119, 231, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 231, 107) }
```

Border

The CSS property to change the border of an element to Yxy 62.1353, 0.3111, 0.4978 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(119, 231, 107) }
```

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

```
.border{ border-color:rgb(119, 231, 107) }
```

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

Here you see how a box with a 4 pixel rgb(119, 231, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 231, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 231, 107);  
box-shadow:4px 4px 4px 4px rgb(119, 231,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1353, 0.3111, 0.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 231, 107) }
```

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

```
.background{ background-color: rgb(119,  
231, 107) }
```

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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