

Converting Colors

Yxy(62.1808, 0.3476, 0.4613)

Have a look what the booklet for
Yxy(62.1808, 0.3476, 0.4613)
contains.

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Color

Yxy(62.1808, 0.3476, 0.4613)

Conversions

Conversions Part 1

Format	Color
Hex	B0DD73
RGB	176, 221, 115
RGB Percent	69%, 87%, 45%
CMY	0.3098, 0.1333, 0.5489
CMYK	0.20, 0.00, 0.48, 0.13
HSL	85°, 61%, 66%
HSV	85°, 48%, 87%
XYZ	46.8546, 62.1808, 25.7593
YIQ	195.4610, 7.2060, -42.5060

Conversions

Conversions Part 2

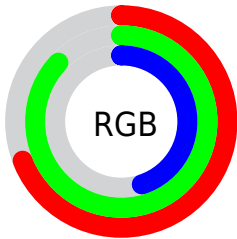
Format	Color
RYB	115, 221, 160
Decimal	11591027
CIELab	83.01, -31.79, 47.01
CIELCh	83, 56.747, 124.064
Yxy	62.1808, 0.3476, 0.4613
Android (android.graphics.Color)	4289781107 (0xFFB0DD73)
YUV	195.4610, -39.6673, -17.0673
Hunter-Lab	78.8548, -31.9332, 35.8303

Details

The Yxy color **62.1808, 0.3476, 0.4613** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.9663, 0.2589, 0.1919**, and the grayscale version is **55.1024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7082, 0.3487, 0.4179**, and **31.6963, 0.3516, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **60.6774, 0.3520, 0.4889**, and if you desaturate by 10%, it is **63.8873, 0.3417, 0.4324**.

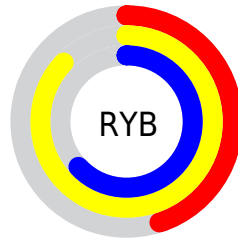
Distribution



Red (69%)

Green (87%)

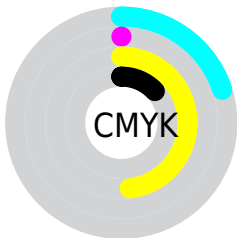
Blue (45%)



Red (45%)

Yellow (87%)

Blue (63%)

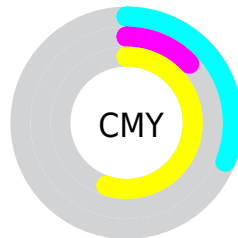


Cyan (20%)

Magenta (0%)

Yellow (48%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1808, 0.3476, 0.4613 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 62.1808, 0.3476, 0.4613 by changing the saturation by 10% instead.


 62.1808, 0.3476,
0.4613

 62.1808, 0.3476,
0.4613


432.5903, 0.3340,
0.3959


 45.1788, 0.3497,
0.4769


 107.9868, 0.3436,
0.4380

 31.5983, 0.3517,
0.4965


 137.5596, 0.3418,
0.4291

 21.0549, 0.3530,
0.5213


 172.0914, 0.3402,
0.4215

 13.1641, 0.3525,
0.5536

211.9667, 0.3387,
0.4149

 7.5416, 0.3480,
0.5972

257.5699, 0.3373,
0.4092

 3.8031, 0.3364,
0.6636

309.2852, 0.3361,

 1.5640, 0.2749,

0.4043

0.7251

367.4972, 0.3350,
0.3998

0.3332, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.1808, 0.3476,
0.4613

62.1808, 0.3476,
0.4613

60.6774, 0.3520,
0.4889

63.8873, 0.3417,
0.4324

59.3586, 0.3543,
0.5138


65.7982, 0.3346,
0.4034

58.2154, 0.3544,
0.5347


67.9249, 0.3270,
0.3753

57.2344, 0.3521,
0.5505


70.2756, 0.3190,
0.3488


 56.3973, 0.3476,
0.5611


 72.8580, 0.3111,
0.3241

 56.2382, 0.3467,
0.5630

 75.6793, 0.3034,
0.3016

 77.7611, 0.3051,
0.2950

 79.4625, 0.3116,
0.2957

 80.1963, 0.3143,
0.2960

Harmonies

Analogous

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



62.1808, 0.4108, 0.4446



62.1808, 0.3476, 0.4613



62.1808, 0.2786, 0.4295

Triad

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



62.1808, 0.3476, 0.4613



62.1808, 0.1900, 0.2392



62.1808, 0.4068, 0.2946

Complementary

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



62.1808, 0.3476, 0.4613



24.9663, 0.2589, 0.1919

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.



62.1808, 0.3360, 0.2519



62.1808, 0.3476, 0.4613



62.1808, 0.2149, 0.2199

Square

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



62.1808, 0.3476, 0.4613



62.1808, 0.1921, 0.2868



62.1808, 0.2657, 0.2253



62.1808, 0.4504, 0.3463

Rectangle

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



62.1808, 0.3476, 0.4613



62.1808, 0.2387, 0.3844



62.1808, 0.2657, 0.2253



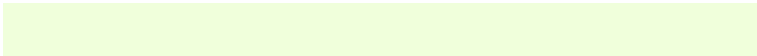
62.1808, 0.3849, 0.2790

Sweetspot

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



62.1835, 0.3476, 0.4613



95.1468, 0.3239, 0.3649



41.4714, 0.4173, 0.3817



20.2173, 0.3257, 0.3708



0.0000, 0.0000, 0.0000



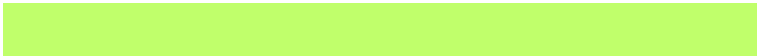
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.1835, 0.3476, 0.4613



83.8131, 0.3521, 0.4903



57.2292, 0.3109, 0.4778



14.9741, 0.3202, 0.3526



32.7355, 0.3477, 0.5621



2.1711, 0.3591, 0.5531

Inverse Universe

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



24.9663, 0.2589, 0.1919



26.2938, 0.2435, 0.1606



31.5113, 0.3094, 0.2101



12.8862, 0.3047, 0.3053



4.4749, 0.1890, 0.0815



0.3400, 0.2075, 0.0917

Previews

White Background



This preview shows how the Yxy color 62.1808, 0.3476, 0.4613 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 62.1808, 0.3476, 0.4613 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 62.1808, 0.3476, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 62.1808, 0.3476, 0.4613.

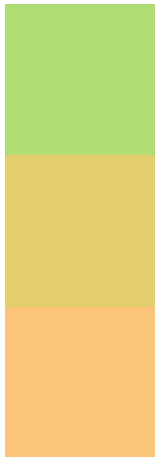


This preview shows how white text looks on a background with the Yxy color 62.1808, 0.3476, 0.4613.

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

62.1808, 0.3476, 0.4613

Protanopia

61.5993, 0.3988, 0.4343

Deuteranopia

61.8222, 0.4166, 0.4075



Tritanopia

62.1135, 0.2891, 0.3103

Trichromacy



Original Color

62.1808, 0.3476, 0.4613



Protanomaly

61.1683, 0.3791, 0.4439



Deuteranomaly

61.3218, 0.3904, 0.4265



Tritanomaly

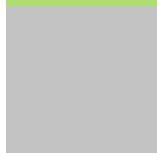
61.5304, 0.3118, 0.3634

Monochromacy



Original Color

62.1808, 0.3476, 0.4613



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.6303, 0.3275, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1808, 0.3476, 0.4613 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(176, 221, 115)` looks like.

```
.text, #text, p{  
    color:rgb(176, 221, 115)  
}
```

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(176, 221, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 221, 115) }
```

Border

The CSS property to change the border of an element to Yxy 62.1808, 0.3476, 0.4613 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(176, 221, 115) }
```

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

```
.border{ border-color:rgb(176, 221, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 221, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 221, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 221, 115);  
box-shadow:4px 4px 4px 4px rgb(176, 221,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1808, 0.3476, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 221, 115) }
```

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

```
.background{ background-color: rgb(176,  
221, 115) }
```

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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