

Converting Colors

Yxy(62.6411, 0.3574, 0.4960)

Have a look what the booklet for
Yxy(62.6411, 0.3574, 0.4960)
contains.

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Color

Yxy(62.6411, 0.3574, 0.4960)

Conversions

Conversions Part 1

Format	Color
Hex	ABE056
RGB	171, 224, 86
RGB Percent	67%, 88%, 34%
CMY	0.3292, 0.1216, 0.6628
CMYK	0.24, 0.00, 0.62, 0.12
HSL	83°, 69%, 61%
HSV	83°, 62%, 88%
XYZ	45.1370, 62.6411, 18.5145
YIQ	192.4210, 12.7100, -54.1540

Conversions

Conversions Part 2

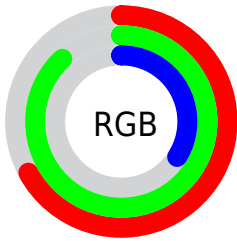
Format	Color
RYB	86, 224, 139
Decimal	11264086
CIELab	83.25, -37.72, 60.32
CIELCh	83, 71.148, 122.019
Yxy	62.6411, 0.3574, 0.4960
Android (android.graphics.Color)	4289454166 (0xFFABE056)
YUV	192.4210, -52.4656, -18.7862
Hunter-Lab	79.1461, -36.7074, 41.5327

Details

The Yxy color **62.6411, 0.3574, 0.4960** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.5211, 0.2336, 0.1492**, and the grayscale version is **53.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1011, 0.3613, 0.4466**, and **31.7292, 0.3603, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **61.4033, 0.3596, 0.5188**, and if you desaturate by 10%, it is **64.0604, 0.3530, 0.4700**.

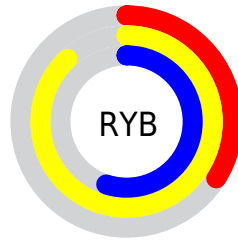
Distribution



Red (67%)

Green (88%)

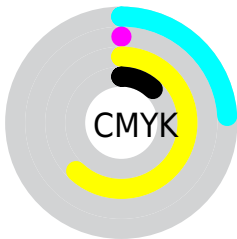
Blue (34%)



Red (34%)

Yellow (88%)

Blue (55%)

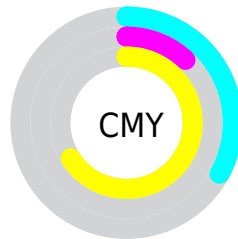


Cyan (24%)

Magenta (0%)

Yellow (62%)

Black (12%)



Cyan (33%)


Magenta (12%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6411, 0.3574, 0.4960 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 62.6411, 0.3574, 0.4960 by changing the saturation by 10% instead.

 62.6411, 0.3574,
0.4960

 62.6411, 0.3574,
0.4960

434.2658, 0.3416,
0.4142


 45.5509, 0.3591,
0.5149


 108.6516, 0.3533,
0.4672

 31.8916, 0.3600,
0.5380


 138.3406, 0.3513,
0.4561

 21.2787, 0.3589,
0.5664


 172.9981, 0.3493,
0.4466

 13.3279, 0.3538,
0.6012

 213.0085, 0.3475,
0.4383

 7.6547, 0.3458,
0.6542

258.7560, 0.3459,
0.4311

 3.8748, 0.3084,
0.6916

310.6251, 0.3443,

 1.6038, 0.2280,

0.4248

0.7720

369.0003, 0.3429,
0.4192

0.3601, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.6411, 0.3574,
0.4960

62.6411, 0.3574,
0.4960

61.4033, 0.3596,
0.5188

64.0604, 0.3530,
0.4700

60.3264, 0.3593,
0.5371


65.6634, 0.3469,
0.4420


59.3988, 0.3566,
0.5503


67.4628, 0.3395,
0.4134


58.7164, 0.3530,
0.5580


69.4672, 0.3313,
0.3852

 71.6851, 0.3227,
0.3582

 74.1240, 0.3141,
0.3329

 76.7914, 0.3057,
0.3096

 79.0200, 0.3038,
0.2980

 80.5585, 0.3096,
0.2985

Harmonies

Analogous

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



62.6411, 0.4341, 0.4648



62.6411, 0.3574, 0.4960



62.6411, 0.2735, 0.4634

Triad

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



62.6411, 0.3574, 0.4960



62.6411, 0.1645, 0.2209



62.6411, 0.4247, 0.2818

Complementary

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



62.6411, 0.3574, 0.4960



17.5211, 0.2336, 0.1492

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.



62.6411, 0.3340, 0.2330



62.6411, 0.3574, 0.4960



62.6411, 0.1913, 0.1978

Square

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



62.6411, 0.3574, 0.4960



62.6411, 0.1682, 0.2792



62.6411, 0.2490, 0.2033



62.6411, 0.4822, 0.3416

Rectangle

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



62.6411, 0.3574, 0.4960



62.6411, 0.2247, 0.4057



62.6411, 0.2490, 0.2033



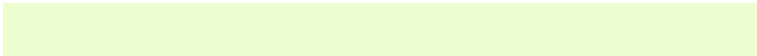
62.6411, 0.3962, 0.2638

Sweetspot

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



62.6439, 0.3574, 0.4960



94.1998, 0.3283, 0.3756



34.9537, 0.4629, 0.3886



19.9814, 0.3308, 0.3837



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.



62.6439, 0.3574, 0.4960



81.9345, 0.3598, 0.5246



56.8114, 0.3114, 0.5230



15.7533, 0.3208, 0.3526



34.2467, 0.3539, 0.5572



2.4248, 0.3639, 0.5492

Inverse Universe

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



17.5211, 0.2336, 0.1492



16.6152, 0.2134, 0.1158



25.4315, 0.3025, 0.1799



13.4983, 0.3040, 0.3052



4.3441, 0.1822, 0.0777



0.3515, 0.1996, 0.0873

Previews

White Background



This preview shows how the Yxy color 62.6411, 0.3574, 0.4960 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 62.6411, 0.3574, 0.4960 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 62.6411, 0.3574, 0.4960

Background



This preview shows how black text looks on a background with the Yxy color 62.6411, 0.3574, 0.4960.



This preview shows how white text looks on a background with the Yxy color 62.6411, 0.3574, 0.4960.

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

62.6411, 0.3574, 0.4960

Protanopia

62.0427, 0.4172, 0.4587

Deuteranopia

62.0556, 0.4359, 0.4269



Tritanopia

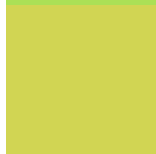
62.4581, 0.2866, 0.3091

Trichromacy



Original Color

62.6411, 0.3574, 0.4960



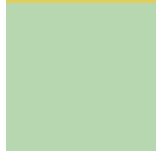
Protanomaly

61.7683, 0.3949, 0.4722



Deuteranomaly

61.2633, 0.4059, 0.4519



Tritanomaly

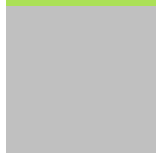
61.6806, 0.3148, 0.3775

Monochromacy



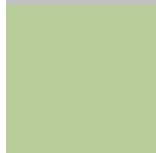
Original Color

62.6411, 0.3574, 0.4960



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.6760, 0.3337, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6411, 0.3574, 0.4960 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(171, 224, 86)` looks like.

```
.text, #text, p{  
    color:rgb(171, 224, 86)  
}
```

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(171, 224, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 224, 86) }
```

Border

The CSS property to change the border of an element to Yxy 62.6411, 0.3574, 0.4960 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(171, 224, 86) }
```

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

```
.border{ border-color:rgb(171, 224, 86) }
```

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

Here you see how a box with a 4 pixel rgb(171, 224, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 224, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 224, 86);  
box-shadow:4px 4px 4px 4px rgb(171, 224,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6411, 0.3574, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 224, 86) }
```

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

```
.background{ background-color: rgb(171,  
224, 86) }
```

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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