

Converting Colors

Yxy(66.3186, 0.3524, 0.4569)

Have a look what the booklet for
Yxy(66.3186, 0.3524, 0.4569)
contains.

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Color

Yxy(66.4160, 0.3529, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	BCE277
RGB	188, 226, 119
RGB Percent	74%, 89%, 47%
CMY	0.2628, 0.1137, 0.5331
CMYK	0.17, 0.00, 0.47, 0.11
HSL	81°, 65%, 68%
HSV	81°, 47%, 89%
XYZ	51.2647, 66.4160, 27.5862
YIQ	202.4400, 11.6990, -41.3330

Conversions

Conversions Part 2

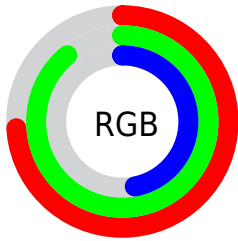
Format	Color
RYB	119, 226, 157
Decimal	12378743
CIELab	85.21, -29.24, 47.94
CIELCh	85, 56.157, 121.378
Yxy	66.4160, 0.3529, 0.4572
Android (android.graphics.Color)	4290568823 (0xFFBCE277)
YUV	202.4400, -41.1359, -12.6639
Hunter-Lab	81.4960, -30.3335, 36.9777

Details

The Yxy color **66.4160, 0.3529, 0.4572** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.8734, 0.2532, 0.1913**, and the grayscale version is **59.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1300, 0.3553, 0.4113**, and **34.5176, 0.3586, 0.4902** is the 20% darker color. If you saturate the color by 10%, you get **64.9465, 0.3586, 0.4837**, and if you desaturate by 10%, it is **68.0773, 0.3457, 0.4292**.

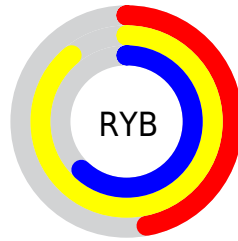
Distribution



Red (74%)

Green (89%)

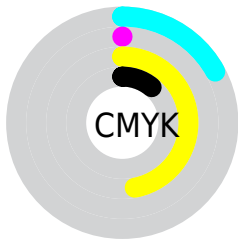
Blue (47%)



Red (47%)

Yellow (89%)

Blue (62%)

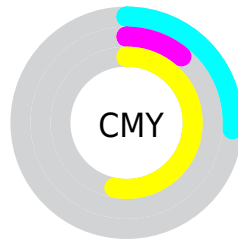


Cyan (17%)

Magenta (0%)

Yellow (47%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4160, 0.3529, 0.4572 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 66.4160, 0.3529, 0.4572 by changing the saturation by 10% instead.


 66.4160, 0.3529,
0.4572


 66.4160, 0.3529,
0.4572


447.8632, 0.3368,
0.3949

 48.6102, 0.3556,
0.4718


 114.0832, 0.3480,
0.4352

 34.3104, 0.3584,
0.4899


 144.7134, 0.3459,
0.4267

 23.1321, 0.3609,
0.5127


 180.3871, 0.3440,
0.4195

 14.6911, 0.3621,
0.5420

221.4888, 0.3422,
0.4132

 8.6029, 0.3599,
0.5800

268.4029, 0.3407,
0.4078

 4.4831, 0.3565,
0.6435


321.5137, 0.3392,

 1.9473, 0.3130,


0.4029


0.6870


381.2057, 0.3380,
0.3987

 0.5766, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.4160, 0.3529,
0.4572


 66.4160, 0.3529,
0.4572


 64.9465, 0.3586,
0.4837


 68.0773, 0.3457,
0.4292

 63.6498, 0.3622,
0.5075

 69.9309, 0.3374,
0.4010

 62.5174, 0.3634,
0.5273

 71.9882, 0.3285,
0.3734

 61.5359, 0.3621,
0.5422

 74.2573, 0.3193,
0.3471

 60.6879, 0.3586,
0.5522

 76.7456, 0.3103,
0.3226

 60.4763, 0.3574,
0.5544

 79.4601, 0.3016,
0.3001

 80.8901, 0.3067,
0.3003

 82.3607, 0.3122,
0.3008

 82.8764, 0.3140,
0.3009

Harmonies

Analogous

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



66.4160, 0.4128, 0.4383



66.4160, 0.3529, 0.4572



66.4160, 0.2856, 0.4306

Triad

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



66.4160, 0.3529, 0.4572



66.4160, 0.1924, 0.2450



66.4160, 0.3984, 0.2915

Complementary

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



66.4160, 0.3529, 0.4572



25.8734, 0.2532, 0.1913

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.



66.4160, 0.3289, 0.2510



66.4160, 0.3529, 0.4572



66.4160, 0.2144, 0.2235

Square

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



66.4160, 0.3529, 0.4572



66.4160, 0.1969, 0.2938



66.4160, 0.2618, 0.2267



66.4160, 0.4439, 0.3416

Rectangle

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



66.4160, 0.3529, 0.4572



66.4160, 0.2458, 0.3890



66.4160, 0.2618, 0.2267



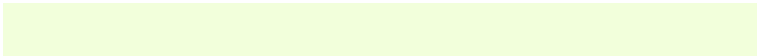
66.4160, 0.3766, 0.2766

Sweetspot

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



66.4189, 0.3529, 0.4572



95.5822, 0.3255, 0.3647



41.4437, 0.4200, 0.3730



20.3236, 0.3275, 0.3705



0.0000, 0.0000, 0.0000



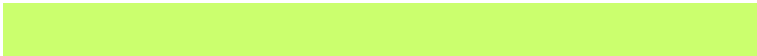
21.4041, 0.3127, 0.3290

Same Dimension

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



66.4189, 0.3529, 0.4572



85.3807, 0.3586, 0.4839



60.8885, 0.3154, 0.4738



15.7731, 0.3213, 0.3525



34.5683, 0.3584, 0.5536



2.4457, 0.3678, 0.5461

Inverse Universe

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



25.8734, 0.2532, 0.1913



25.9071, 0.2370, 0.1601



32.3940, 0.3025, 0.2090



13.4792, 0.3036, 0.3052



4.1747, 0.1780, 0.0754



0.3384, 0.1952, 0.0849

Previews

White Background



This preview shows how the Yxy color 66.4160, 0.3529, 0.4572 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 66.4160, 0.3529, 0.4572 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 66.4160, 0.3529, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 66.4160, 0.3529, 0.4572.



This preview shows how white text looks on a background with the Yxy color 66.4160, 0.3529, 0.4572.

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

66.4160, 0.3529, 0.4572

Protanopia

65.7943, 0.3988, 0.4336

Deuteranopia

65.6931, 0.4072, 0.3998



Tritanopia

65.9982, 0.2944, 0.3098

Trichromacy



Original Color

66.4160, 0.3529, 0.4572

Protanomaly

65.6384, 0.3812, 0.4422

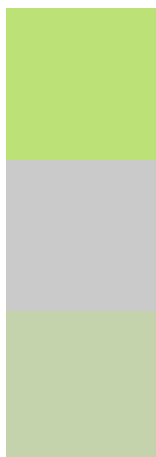
Deuteranomaly

65.1624, 0.3871, 0.4189

Tritanomaly

65.8663, 0.3169, 0.3621

Monochromacy



Original Color

66.4160, 0.3529, 0.4572

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

61.4374, 0.3293, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4160, 0.3529, 0.4572 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(188, 226, 119)` looks like.

```
.text, #text, p{  
    color:rgb(188, 226, 119)  
}
```

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(188, 226, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 119) }
```

Border

The CSS property to change the border of an element to Yxy 66.4160, 0.3529, 0.4572 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(188, 226, 119) }
```

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

```
.border{ border-color:rgb(188, 226, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 226, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 226, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 226, 119);  
box-shadow:4px 4px 4px 4px rgb(188, 226,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4160, 0.3529, 0.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 119) }
```

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

```
.background{ background-color: rgb(188,  
226, 119) }
```

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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