

Converting Colors

$Yxy(68.7204, 0.3651, 0.4567)$

Have a look what the booklet for
Yxy(68.7204, 0.3651, 0.4567)
contains.

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Color

Yxy(68.7557, 0.3650, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	CAE374
RGB	202, 227, 116
RGB Percent	79%, 89%, 45%
CMY	0.2079, 0.1098, 0.5452
CMYK	0.11, 0.00, 0.49, 0.11
HSL	74°, 66%, 67%
HSV	74°, 49%, 89%
XYZ	54.9744, 68.7557, 26.8848
YIQ	206.8710, 20.7310, -39.8210

Conversions

Conversions Part 2

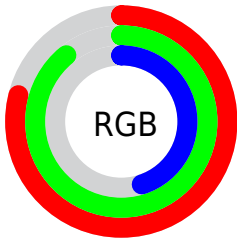
Format	Color
RYB	116, 227, 141
Decimal	13296500
CIELab	86.38, -24.71, 51.05
CIElCh	86, 56.718, 115.832
Yxy	68.7557, 0.3650, 0.4565
Android (android.graphics.Color)	4291486580 (0xFFCAE374)
YUV	206.8710, -44.7994, -4.2719
Hunter-Lab	82.9191, -26.7648, 38.8198

Details

The Yxy color **68.7557, 0.3650, 0.4565** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.6906, 0.2384, 0.1817**, and the grayscale version is **62.5917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **35.9862, 0.3727, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **67.5919, 0.3727, 0.4803**, and if you desaturate by 10%, it is **70.0784, 0.3556, 0.4307**.

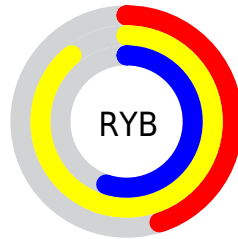
Distribution



Red (79%)

Green (89%)

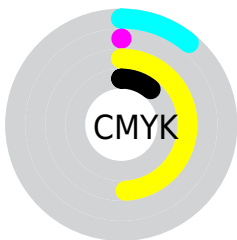
Blue (45%)



Red (45%)

Yellow (89%)

Blue (55%)

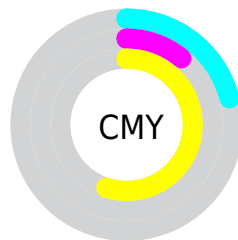


Cyan (11%)

Magenta (0%)

Yellow (49%)

Black (11%)



Cyan (21%)


Magenta (11%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7557, 0.3650, 0.4565 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 68.7557, 0.3650, 0.4565 by changing the saturation by 10% instead.


 68.7557, 0.3650,
0.4565

 68.7557, 0.3650,
0.4565

456.1689, 0.3434,
0.3956


 50.5128, 0.3689,
0.4704


 117.4326, 0.3583,
0.4353

 35.8210, 0.3731,
0.4874


 148.6353, 0.3554,
0.4270

 24.2960, 0.3773,
0.5085


 184.9268, 0.3528,
0.4200

 15.5533, 0.3807,
0.5349

226.6914, 0.3506,
0.4138

 9.2086, 0.3814,
0.5682

274.3135, 0.3485,
0.4084

 4.8775, 0.3806,
0.6194

328.1775, 0.3466,

 2.1756, 0.3463,

0.4037

0.6537

388.6678, 0.3450,
0.3994

0.7066, 0.0882,
0.9118

0.0000, 0.0000,
0.0000

68.7557, 0.3650,
0.4565

68.7557, 0.3650,
0.4565

67.5919, 0.3727,
0.4803

70.0784, 0.3556,
0.4307

66.5680, 0.3782,
0.5008

71.5595, 0.3451,
0.4039


65.6758, 0.3812,
0.5172


73.2102, 0.3340,
0.3771

64.9023, 0.3816,
0.5289

75.0380, 0.3227,
0.3511


 64.2274, 0.3797,
0.5362

 77.0499, 0.3115,
0.3264

 64.1573, 0.3795,
0.5369

 79.2526, 0.3008,
0.3034

 80.3054, 0.3024,
0.3009

 81.2024, 0.3058,
0.3012

 82.1248, 0.3093,
0.3015

Harmonies

Analogous

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



68.7557, 0.4215, 0.4312



68.7557, 0.3650, 0.4565



68.7557, 0.2978, 0.4390

Triad

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



68.7557, 0.3650, 0.4565



68.7557, 0.1913, 0.2520



68.7557, 0.3864, 0.2831

Complementary

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



68.7557, 0.3650, 0.4565



23.6906, 0.2384, 0.1817

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.



68.7557, 0.3156, 0.2452



68.7557, 0.3650, 0.4565



68.7557, 0.2086, 0.2257

Square

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



68.7557, 0.3650, 0.4565



68.7557, 0.2010, 0.3058



68.7557, 0.2514, 0.2246



68.7557, 0.4382, 0.3320

Rectangle

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



68.7557, 0.3650, 0.4565



68.7557, 0.2561, 0.4017



68.7557, 0.2514, 0.2246



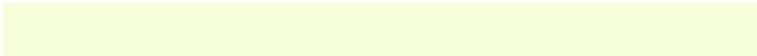
68.7557, 0.3636, 0.2689

Sweetspot

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



68.7588, 0.3650, 0.4565



96.1786, 0.3297, 0.3670



36.3558, 0.4345, 0.3572



20.4805, 0.3321, 0.3726



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.



68.7588, 0.3650, 0.4565



87.9184, 0.3730, 0.4813



62.4465, 0.3250, 0.4749



16.6449, 0.3233, 0.3525



37.4672, 0.3801, 0.5364



2.8090, 0.3861, 0.5316

Inverse Universe

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



23.6906, 0.2384, 0.1817



22.6735, 0.2190, 0.1477



29.7042, 0.2877, 0.1999



14.0430, 0.3015, 0.3049



3.6900, 0.1623, 0.0667



0.3136, 0.1763, 0.0745

Previews

White Background



This preview shows how the Yxy color 68.7557, 0.3650, 0.4565 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 68.7557, 0.3650, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

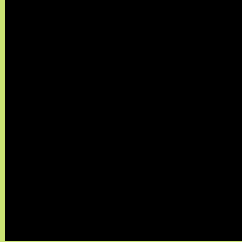
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7557, 0.3650, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 68.7557, 0.3650, 0.4565.



This preview shows how white text looks on a background with the Yxy color 68.7557, 0.3650, 0.4565.

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

68.7557, 0.3650, 0.4565

Protanopia

68.4587, 0.4011, 0.4376

Deuteranopia

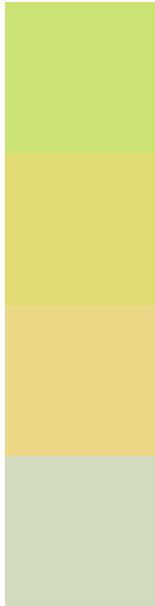
68.4161, 0.3967, 0.3939



Tritanopia

68.4616, 0.3028, 0.3104

Trichromacy



Original Color

68.7557, 0.3650, 0.4565

Protanomaly

68.3862, 0.3880, 0.4450

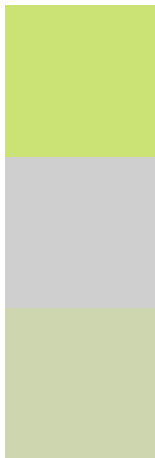
Deuteranomaly

68.1550, 0.3860, 0.4163

Tritanomaly

68.1860, 0.3271, 0.3634

Monochromacy



Original Color

68.7557, 0.3650, 0.4565

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.1283, 0.3337, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7557, 0.3650, 0.4565 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(202, 227, 116)` looks like.

```
.text, #text, p{  
    color:rgb(202, 227, 116)  
}
```

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(202, 227, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 227, 116) }
```

Border

The CSS property to change the border of an element to Yxy 68.7557, 0.3650, 0.4565 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(202, 227, 116) }
```

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

```
.border{ border-color:rgb(202, 227, 116) }
```

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

Here you see how a box with a 4 pixel rgb(202, 227, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 227, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 227, 116);  
box-shadow:4px 4px 4px 4px rgb(202, 227,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7557, 0.3650, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 227, 116) }
```

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

```
.background{ background-color: rgb(202,  
227, 116) }
```

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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