

Converting Colors

$Yxy(68.9663, 0.3606, 0.4286)$

Have a look what the booklet for
Yxy(68.9663, 0.3606, 0.4286)
contains.

Yxy(68.9663, 0.3606, 0.4286)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9663, 0.3606, 0.4286)

Conversions

Conversions Part 1

Format	Color
Hex	D3E089
RGB	211, 224, 137
RGB Percent	83%, 88%, 54%
CMY	0.1727, 0.1215, 0.4627
CMYK	0.06, 0.00, 0.39, 0.12
HSL	69°, 58%, 71%
HSV	69°, 39%, 88%
XYZ	58.0244, 68.9663, 33.9200
YIQ	210.1950, 20.1790, -29.8130

Conversions

Conversions Part 2

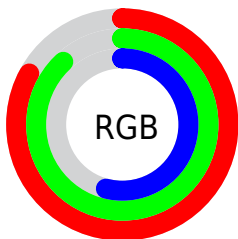
Format	Color
RYB	137, 224, 150
Decimal	13885577
CIELab	86.49, -17.60, 41.12
CIELCh	86, 44.730, 113.168
Yxy	68.9663, 0.3606, 0.4286
Android (android.graphics.Color)	4292075657 (0xFFD3E089)
YUV	210.1950, -36.0851, 0.7060
Hunter-Lab	83.0460, -20.6121, 33.9153

Details

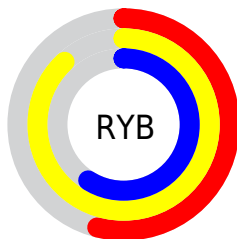
The Yxy color **68.9663, 0.3606, 0.4286** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.7651, 0.2514, 0.2138**, and the grayscale version is **64.8122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **36.0004, 0.3699, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **67.9002, 0.3713, 0.4533**, and if you desaturate by 10%, it is **70.1824, 0.3487, 0.4027**.

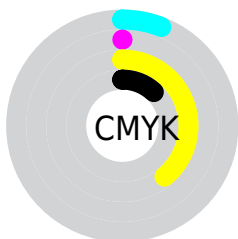
Distribution



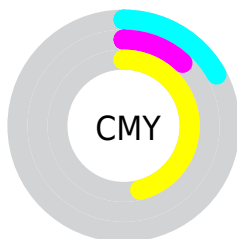
- Red (83%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (59%)



- Cyan (6%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)




- Cyan (17%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9663, 0.3606, 0.4286 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 68.9663, 0.3606, 0.4286 by changing the saturation by 10% instead.

 68.9663, 0.3606,
0.4286

 68.9663, 0.3606,
0.4286


456.9121, 0.3397,
0.3812

 50.6843, 0.3649,
0.4395


 117.7334, 0.3537,
0.4120

 35.9574, 0.3698,
0.4530


 148.9873, 0.3509,
0.4056

 24.4013, 0.3754,
0.4700


 185.3340, 0.3485,
0.4001

 15.6316, 0.3817,
0.4918

227.1577, 0.3463,
0.3953

 9.2638, 0.3878,
0.5202

274.8431, 0.3444,
0.3911

 4.9137, 0.3973,
0.5661


328.7743, 0.3427,

 2.1967, 0.3885,

0.3874

0.6115


389.3358, 0.3411,
0.3841


 0.7182, 0.2605,
0.7395


 0.0000, 0.0000,
0.0000

 68.9663, 0.3606,
0.4286


 68.9663, 0.3606,
0.4286

 67.9002, 0.3713,
0.4533


 70.1824, 0.3487,
0.4027

 66.9665, 0.3804,
0.4756


 71.5470, 0.3363,
0.3765


 66.1590, 0.3873,
0.4946

 73.0702, 0.3237,
0.3508


 65.4671, 0.3917,
0.5094


 74.7587, 0.3113,
0.3262


 64.8782, 0.3934,
0.5197


 76.6186, 0.2995,
0.3032


 64.3732, 0.3929,
0.5258

 77.5533, 0.2980,
0.2974

 64.3172, 0.3927,
0.5264

 78.1190, 0.3003,
0.2976

 78.6955, 0.3025,
0.2979

 79.2829, 0.3048,
0.2981

Harmonies

Analogous

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



68.9663, 0.4034, 0.4095



68.9663, 0.3606, 0.4286



68.9663, 0.3071, 0.4163

Triad

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



68.9663, 0.3606, 0.4286



68.9663, 0.2140, 0.2716



68.9663, 0.3665, 0.2893

Complementary

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



68.9663, 0.3606, 0.4286



29.7651, 0.2514, 0.2138

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.



68.9663, 0.3107, 0.2588



68.9663, 0.3606, 0.4286



68.9663, 0.2263, 0.2469

Square

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



68.9663, 0.3606, 0.4286



68.9663, 0.2246, 0.3168



68.9663, 0.2601, 0.2434



68.9663, 0.4089, 0.3294

Rectangle

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



68.9663, 0.3606, 0.4286



68.9663, 0.2728, 0.3896



68.9663, 0.2601, 0.2434



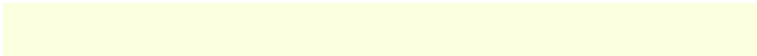
68.9663, 0.3484, 0.2777

Sweetspot

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



68.9694, 0.3606, 0.4286



97.3223, 0.3277, 0.3590



39.4864, 0.4032, 0.3448



20.7728, 0.3294, 0.3624



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.



68.9694, 0.3606, 0.4286



91.2782, 0.3698, 0.4497



63.3932, 0.3278, 0.4402



15.9198, 0.3244, 0.3523



37.4702, 0.3932, 0.5260



2.6259, 0.3974, 0.5226

Inverse Universe

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



29.7651, 0.2514, 0.2138



31.3767, 0.2349, 0.1847



34.6860, 0.2890, 0.2251



13.3416, 0.3004, 0.3049



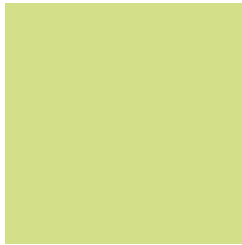
3.3579, 0.1563, 0.0635



0.2641, 0.1686, 0.0702

Previews

White Background



This preview shows how the Yxy color 68.9663, 0.3606, 0.4286 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 68.9663, 0.3606, 0.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

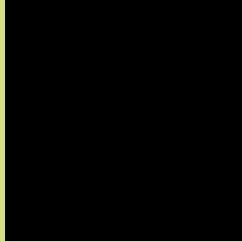
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9663, 0.3606, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 68.9663, 0.3606, 0.4286.



This preview shows how white text looks on a background with the Yxy color 68.9663, 0.3606, 0.4286.

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

68.9663, 0.3606, 0.4286

Protanopia

68.6658, 0.3855, 0.4172

Deuteranopia

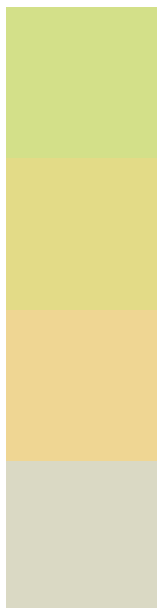
68.6717, 0.3908, 0.3859



Tritanopia

68.8313, 0.3078, 0.3106

Trichromacy



Original Color

68.9663, 0.3606, 0.4286

Protanomaly

68.7432, 0.3764, 0.4215

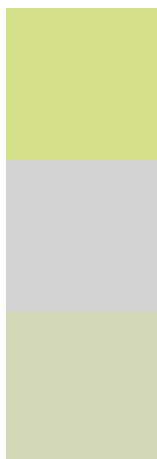
Deuteranomaly

68.5504, 0.3799, 0.4012

Tritanomaly

68.5167, 0.3278, 0.3526

Monochromacy



Original Color

68.9663, 0.3606, 0.4286

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7214, 0.3311, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9663, 0.3606, 0.4286 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(211, 224, 137)` looks like.

```
.text, #text, p{  
    color:rgb(211, 224, 137)  
}
```

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(211, 224, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 224, 137) }
```

Border

The CSS property to change the border of an element to Yxy 68.9663, 0.3606, 0.4286 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(211, 224, 137) }
```

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

```
.border{ border-color:rgb(211, 224, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 224, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 224, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 224, 137);  
box-shadow:4px 4px 4px 4px rgb(211, 224,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9663, 0.3606, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 224, 137) }
```

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

```
.background{ background-color: rgb(211,  
224, 137) }
```

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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