

Converting Colors

Yxy(64.9280, 0.3605, 0.4533)

Have a look what the booklet for
Yxy(64.9280, 0.3605, 0.4533)
contains.

Yxy(64.9962, 0.3601, 0.4538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9962, 0.3601, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	C2DE75
RGB	194, 222, 117
RGB Percent	76%, 87%, 46%
CMY	0.2393, 0.1294, 0.5412
CMYK	0.13, 0.00, 0.47, 0.13
HSL	76°, 61%, 66%
HSV	76°, 47%, 87%
XYZ	51.5759, 64.9962, 26.6545
YIQ	201.6580, 17.0170, -38.5910

Conversions

Conversions Part 2

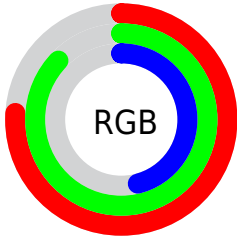
Format	Color
RYB	117, 222, 145
Decimal	12770933
CIELab	84.48, -25.29, 48.13
CIELCh	84, 54.370, 117.716
Yxy	64.9962, 0.3601, 0.4538
Android (android.graphics.Color)	4290961013 (0xFFC2DE75)
YUV	201.6580, -41.7364, -6.7161
Hunter-Lab	80.6202, -26.8920, 36.8318

Details

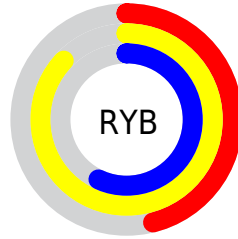
The Yxy color **64.9962, 0.3601, 0.4538** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.0182, 0.2452, 0.1886**, and the grayscale version is **59.0944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1557, 0.3605, 0.4121**, and **33.4224, 0.3671, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **63.7689, 0.3673, 0.4787**, and if you desaturate by 10%, it is **66.3844, 0.3513, 0.4271**.

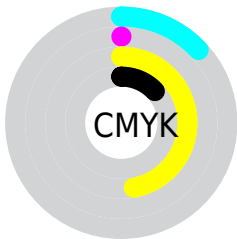
Distribution



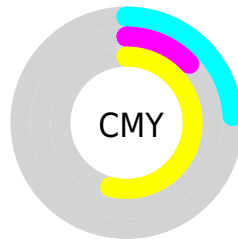
- Red (76%)
- Green (87%)
- Blue (46%)



- Red (46%)
- Yellow (87%)
- Blue (57%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)




- Cyan (24%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9962, 0.3601, 0.4538 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 64.9962, 0.3601, 0.4538 by changing the saturation by 10% instead.


 64.9962, 0.3601,
0.4538

 64.9962, 0.3601,
0.4538


442.7783, 0.3404,
0.3934


 47.4580, 0.3637,
0.4679


 112.0444, 0.3539,
0.4325

 33.3979, 0.3675,
0.4853


 142.3232, 0.3513,
0.4243

 22.4314, 0.3713,
0.5071


 177.6176, 0.3490,
0.4173

 14.1742, 0.3743,
0.5348

218.3121, 0.3469,
0.4112

 8.2419, 0.3745,
0.5707

264.7910, 0.3450,
0.4059

 4.2502, 0.3727,
0.6273

317.4387, 0.3433,

 1.8145, 0.3336,

0.4012

0.6664

376.6397, 0.3418,
0.3971

0.4962, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9962, 0.3601,
0.4538

64.9962, 0.3601,
0.4538

63.7689, 0.3673,
0.4787

66.3844, 0.3513,
0.4271

62.6845, 0.3725,
0.5007


67.9333, 0.3414,
0.3999


61.7355, 0.3752,
0.5187

69.6532, 0.3309,
0.3729


60.9097, 0.3754,
0.5320

71.5515, 0.3204,
0.3470

 60.1910, 0.3731,
0.5407


 73.6348, 0.3099,
0.3226

 60.0084, 0.3723,
0.5426

 75.9095, 0.2999,
0.3000

 77.2093, 0.3009,
0.2956

 78.2375, 0.3049,
0.2960

 79.2998, 0.3089,
0.2964

Harmonies

Analogous

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



64.9962, 0.4164, 0.4316



64.9962, 0.3601, 0.4538



64.9962, 0.2943, 0.4335

Triad

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



64.9962, 0.3601, 0.4538



64.9962, 0.1940, 0.2514



64.9962, 0.3888, 0.2869

Complementary

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



64.9962, 0.3601, 0.4538



24.0182, 0.2452, 0.1886

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.



64.9962, 0.3200, 0.2488



64.9962, 0.3601, 0.4538



64.9962, 0.2126, 0.2271

Square

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



64.9962, 0.3601, 0.4538



64.9962, 0.2019, 0.3025



64.9962, 0.2562, 0.2273



64.9962, 0.4372, 0.3353

Rectangle

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



64.9962, 0.3601, 0.4538



64.9962, 0.2540, 0.3958



64.9962, 0.2562, 0.2273



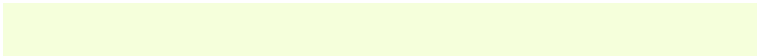
64.9962, 0.3668, 0.2727

Sweetspot

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



64.9991, 0.3601, 0.4538



96.1475, 0.3276, 0.3645



37.0662, 0.4252, 0.3626



20.4619, 0.3299, 0.3702



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.



64.9991, 0.3601, 0.4538



87.2678, 0.3674, 0.4790



59.2391, 0.3212, 0.4710



15.8359, 0.3226, 0.3524



35.6969, 0.3730, 0.5420



2.5173, 0.3804, 0.5361

Inverse Universe

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



24.0182, 0.2452, 0.1886



24.6343, 0.2271, 0.1559



29.9349, 0.2940, 0.2060



13.4193, 0.3022, 0.3051



3.7362, 0.1666, 0.0691



0.3022, 0.1826, 0.0780

Previews

White Background



This preview shows how the Yxy color 64.9962, 0.3601, 0.4538 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 64.9962, 0.3601, 0.4538 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 64.9962, 0.3601, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 64.9962, 0.3601, 0.4538.



This preview shows how white text looks on a background with the Yxy color 64.9962, 0.3601, 0.4538.

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

64.9962, 0.3601, 0.4538

Protanopia

64.9366, 0.3983, 0.4343

Deuteranopia

64.5140, 0.4147, 0.4064



Tritanopia

64.9941, 0.3005, 0.3110

Trichromacy



Original Color

64.9962, 0.3601, 0.4538

Protanomaly

64.7212, 0.3842, 0.4420

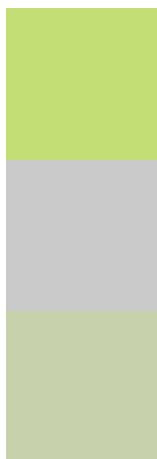
Deuteranomaly

64.3297, 0.3944, 0.4234

Tritanomaly

64.3348, 0.3238, 0.3620

Monochromacy



Original Color

64.9962, 0.3601, 0.4538

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.6833, 0.3319, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9962, 0.3601, 0.4538 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(194, 222, 117)` looks like.

```
.text, #text, p{  
    color:rgb(194, 222, 117)  
}
```

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(194, 222, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 222, 117) }
```

Border

The CSS property to change the border of an element to Yxy 64.9962, 0.3601, 0.4538 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(194, 222, 117) }
```

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

```
.border{ border-color:rgb(194, 222, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 222, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 222, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 222, 117); box-shadow:4px 4px 4px 4px rgb(194, 222, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9962, 0.3601, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 222, 117) }
```

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

```
.background{ background-color: rgb(194,  
222, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor