

Converting Colors

Yxy(64.2703, 0.3509, 0.4319)

Have a look what the booklet for
Yxy(64.2703, 0.3509, 0.4319)
contains.

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Color

Yxy(64.5097, 0.3513, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	C3DC86
RGB	195, 220, 134
RGB Percent	76%, 86%, 53%
CMY	0.2354, 0.1372, 0.4745
CMYK	0.11, 0.00, 0.39, 0.14
HSL	77°, 55%, 69%
HSV	77°, 39%, 86%
XYZ	52.3983, 64.5097, 32.2474
YIQ	202.7210, 12.7060, -32.0460

Conversions

Conversions Part 2

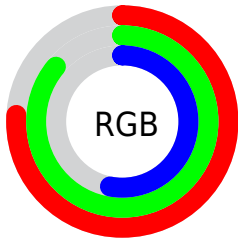
Format	Color
RYB	134, 220, 159
Decimal	12835974
CIELab	84.23, -22.05, 39.50
CIElCh	84, 45.234, 119.170
Yxy	64.5097, 0.3513, 0.4325
Android (android.graphics.Color)	4291026054 (0xFFC3DC86)
YUV	202.7210, -33.8795, -6.7713
Hunter-Lab	80.3179, -24.1055, 32.4178

Details

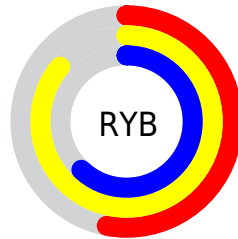
The Yxy color **64.5097, 0.3513, 0.4325** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.5965, 0.2612, 0.2162**, and the grayscale version is **59.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0335, 0.3512, 0.3952**, and **33.1102, 0.3580, 0.4589** is the 20% darker color. If you saturate the color by 10%, you get **63.1264, 0.3594, 0.4593**, and if you desaturate by 10%, it is **66.0631, 0.3420, 0.4050**.

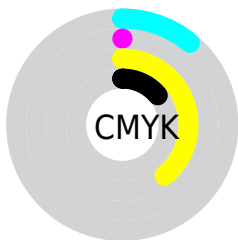
Distribution



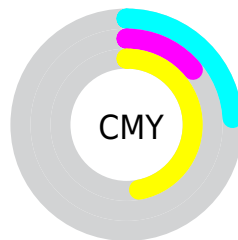
- Red (76%)
- Green (86%)
- Blue (53%)



- Red (53%)
- Yellow (86%)
- Blue (62%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (24%)
- Magenta (14%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5097, 0.3513, 0.4325 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 64.5097, 0.3513, 0.4325 by changing the saturation by 10% instead.


 64.5097, 0.3513,
0.4325


 64.5097, 0.3513,
0.4325


441.0279, 0.3347,
0.3821


 47.0636, 0.3546,
0.4444


 111.3447, 0.3459,
0.4146

 33.0860, 0.3583,
0.4593


 141.5023, 0.3437,
0.4078

 22.1923, 0.3624,
0.4783


 176.6660, 0.3417,
0.4020

 13.9983, 0.3665,
0.5032

217.2200, 0.3400,
0.3969

 8.1195, 0.3695,
0.5365

263.5489, 0.3385,
0.3925

 4.1715, 0.3784,
0.5987

316.0369, 0.3371,

 1.7699, 0.3528,

0.3886

0.6472

375.0684, 0.3358,
0.3852

0.4683, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5097, 0.3513,
0.4325

64.5097, 0.3513,
0.4325

63.1264, 0.3594,
0.4593

66.0631, 0.3420,
0.4050

61.8960, 0.3659,
0.4842


67.7856, 0.3321,
0.3778


60.8122, 0.3702,
0.5061


69.6873, 0.3219,
0.3515


59.8643, 0.3721,
0.5238


71.7750, 0.3118,
0.3268

 59.0400, 0.3714,
0.5367


 74.0549, 0.3021,
0.3039


 58.3196, 0.3685,
0.5451

 75.8031, 0.2995,
0.2934

 58.2569, 0.3682,
0.5458

 76.9030, 0.3039,
0.2939

 78.0424, 0.3082,
0.2944

 79.2219, 0.3127,
0.2948

Harmonies

Analogous

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



64.5097, 0.3990, 0.4179



64.5097, 0.3513, 0.4325



64.5097, 0.2957, 0.4127

Triad

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



64.5097, 0.3513, 0.4325



64.5097, 0.2117, 0.2627



64.5097, 0.3788, 0.2956

Complementary

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



64.5097, 0.3513, 0.4325



29.5965, 0.2612, 0.2162

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.



64.5097, 0.3222, 0.2618



64.5097, 0.3513, 0.4325



64.5097, 0.2289, 0.2419

Square

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



64.5097, 0.3513, 0.4325



64.5097, 0.2178, 0.3054



64.5097, 0.2677, 0.2426



64.5097, 0.4177, 0.3380

Rectangle

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



64.5097, 0.3513, 0.4325



64.5097, 0.2617, 0.3813



64.5097, 0.2677, 0.2426



64.5097, 0.3609, 0.2831

Sweetspot

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



64.5126, 0.3513, 0.4325



96.5333, 0.3250, 0.3593



41.5215, 0.3983, 0.3586



20.5862, 0.3263, 0.3627



0.0000, 0.0000, 0.0000



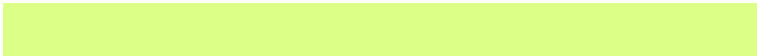
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5126, 0.3513, 0.4325



88.5071, 0.3582, 0.4548



59.6511, 0.3196, 0.4437



15.0637, 0.3222, 0.3524



34.2465, 0.3690, 0.5452



2.2620, 0.3775, 0.5385

Inverse Universe

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



29.5965, 0.2612, 0.2162



33.1397, 0.2473, 0.1892



34.6910, 0.2996, 0.2277



12.7999, 0.3026, 0.3051



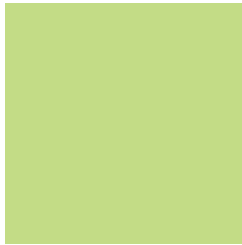
3.7228, 0.1695, 0.0707



0.2848, 0.1871, 0.0804

Previews

White Background



This preview shows how the Yxy color 64.5097, 0.3513, 0.4325 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 64.5097, 0.3513, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

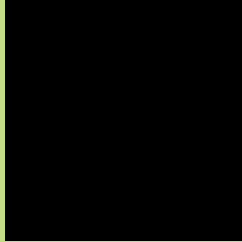
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5097, 0.3513, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 64.5097, 0.3513, 0.4325.



This preview shows how white text looks on a background with the Yxy color 64.5097, 0.3513, 0.4325.

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

64.5097, 0.3513, 0.4325

Protanopia

64.3629, 0.3852, 0.4175

Deuteranopia

64.3037, 0.4028, 0.3947



Tritanopia

64.3573, 0.2997, 0.3098

Trichromacy



Original Color

64.5097, 0.3513, 0.4325

Protanomaly

64.4835, 0.3730, 0.4238

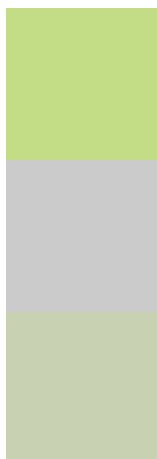
Deuteranomaly

63.9068, 0.3829, 0.4076

Tritanomaly

64.1353, 0.3190, 0.3525

Monochromacy



Original Color

64.5097, 0.3513, 0.4325

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.0946, 0.3277, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5097, 0.3513, 0.4325 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(195, 220, 134)` looks like.

```
.text, #text, p{  
    color:rgb(195, 220, 134)  
}
```

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(195, 220, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 220, 134) }
```

Border

The CSS property to change the border of an element to Yxy 64.5097, 0.3513, 0.4325 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(195, 220, 134) }
```

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

```
.border{ border-color:rgb(195, 220, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 220, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 220, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 220, 134);  
box-shadow:4px 4px 4px 4px rgb(195, 220,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5097, 0.3513, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 220, 134) }
```

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

```
.background{ background-color: rgb(195,  
220, 134) }
```

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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