

Converting Colors

$Y_{xy}(75.2752, 0.3572, 0.4504)$

Have a look what the booklet for
Yxy(75.2752, 0.3572, 0.4504)
contains.

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Color

Yxy(75.2752, 0.3572, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	CEED81
RGB	206, 237, 129
RGB Percent	81%, 93%, 51%
CMY	0.1922, 0.0706, 0.4941
CMYK	0.13, 0.00, 0.46, 0.07
HSL	77°, 75%, 72%
HSV	77°, 46%, 93%
XYZ	59.6987, 75.2752, 32.1557
YIQ	215.4190, 16.1920, -40.1600

Conversions

Conversions Part 2

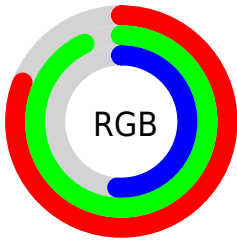
Format	Color
RYB	129, 237, 160
Decimal	13561217
CIELab	89.52, -26.64, 48.75
CIELCh	90, 55.549, 118.653
Yxy	75.2752, 0.3572, 0.4504
Android (android.graphics.Color)	4291751297 (0xFFCEED81)
YUV	215.4190, -42.6046, -8.2605
Hunter-Lab	86.7613, -29.0099, 38.7586

Details

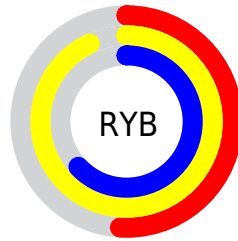
The Yxy color **75.2752, 0.3572, 0.4504** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **29.2959, 0.2497, 0.1944**, and the grayscale version is **68.5418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **40.0676, 0.3639, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **73.7663, 0.3644, 0.4761**, and if you desaturate by 10%, it is **76.9792, 0.3485, 0.4232**.

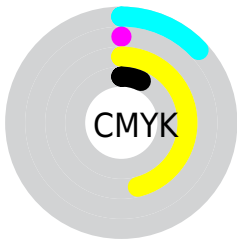
Distribution



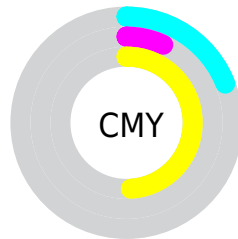
- Red (81%)
- Green (93%)
- Blue (51%)



- Red (51%)
- Yellow (93%)
- Blue (63%)



- Cyan (13%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)





- Cyan (19%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2752, 0.3572, 0.4504 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 75.2752, 0.3572, 0.4504 by changing the saturation by 10% instead.


 75.2752, 0.3572,
0.4504

 75.2752, 0.3572,
0.4504

478.8629, 0.3392,
0.3930


 55.8384, 0.3604,
0.4635


 126.7018, 0.3516,
0.4304

 40.0734, 0.3639,
0.4795


 159.4604, 0.3492,
0.4227

 27.5957, 0.3674,
0.4994


 197.4284, 0.3471,
0.4160

 18.0211, 0.3704,
0.5246


240.9902, 0.3452,
0.4102

 10.9652, 0.3715,
0.5568

290.5301, 0.3435,
0.4051

 6.0434, 0.3745,
0.6103


346.4326, 0.3419,

 2.8715, 0.3488,


0.4006

0.6512


409.0821, 0.3405,
0.3966


 1.0650, 0.2482,
0.7518


 0.0000, 0.0000,
0.0000


 75.2752, 0.3572,
0.4504


 75.2752, 0.3572,
0.4504


 73.7663, 0.3644,
0.4761


 76.9792, 0.3485,
0.4232


 72.4317, 0.3695,
0.4991


 78.8779, 0.3388,
0.3956

 71.2625, 0.3723,
0.5183

 80.9838, 0.3287,
0.3685


 70.2448, 0.3725,
0.5327

 83.3053, 0.3184,
0.3427

 69.3613, 0.3702,
0.5423

 85.8502, 0.3083,
0.3185

 69.0006, 0.3687,
0.5455

 87.5368, 0.3082,
0.3114

 88.7960, 0.3126,
0.3116

 89.0529, 0.3135,
0.3117

Harmonies

Analogous

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



75.2752, 0.4125, 0.4303



75.2752, 0.3572, 0.4504



75.2752, 0.2930, 0.4290

Triad

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



75.2752, 0.3572, 0.4504



75.2752, 0.1970, 0.2524



75.2752, 0.3886, 0.2894

Complementary

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



75.2752, 0.3572, 0.4504



29.2959, 0.2497, 0.1944

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.



75.2752, 0.3221, 0.2516



75.2752, 0.3572, 0.4504



75.2752, 0.2160, 0.2292

Square

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



75.2752, 0.3572, 0.4504



75.2752, 0.2039, 0.3015



75.2752, 0.2594, 0.2300



75.2752, 0.4348, 0.3370

Rectangle

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



75.2752, 0.3572, 0.4504



75.2752, 0.2540, 0.3918



75.2752, 0.2594, 0.2300



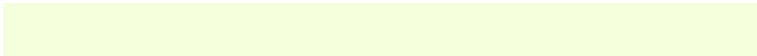
75.2752, 0.3675, 0.2754

Sweetspot

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



75.2786, 0.3572, 0.4504



96.0172, 0.3271, 0.3645



44.5985, 0.4190, 0.3636



20.4300, 0.3293, 0.3703



0.0000, 0.0000, 0.0000



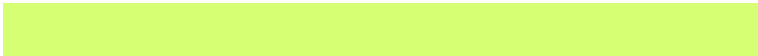
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2786, 0.3572, 0.4504



87.1564, 0.3642, 0.4753



68.8735, 0.3200, 0.4662



17.3971, 0.3224, 0.3526



37.7390, 0.3695, 0.5448



3.0119, 0.3766, 0.5392

Inverse Universe

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



29.2959, 0.2497, 0.1944



26.3963, 0.2329, 0.1632



36.0564, 0.2964, 0.2106



14.7584, 0.3025, 0.3050



4.0683, 0.1688, 0.0703



0.3669, 0.1832, 0.0783

Previews

White Background



This preview shows how the Yxy color 75.2752, 0.3572, 0.4504 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 75.2752, 0.3572, 0.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

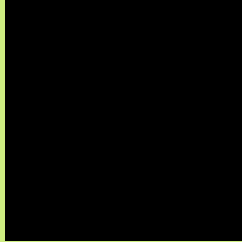
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2752, 0.3572, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 75.2752, 0.3572, 0.4504.

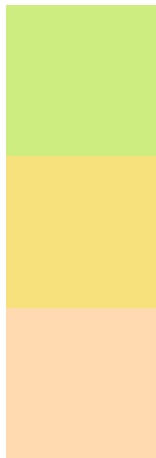


This preview shows how white text looks on a background with the Yxy color 75.2752, 0.3572, 0.4504.

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

75.2752, 0.3572, 0.4504

Protanopia

75.1053, 0.3957, 0.4308

Deuteranopia

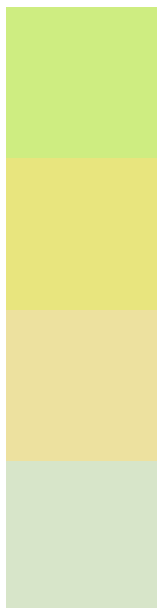
74.5374, 0.3703, 0.3722



Tritanopia

74.9378, 0.2986, 0.3099

Trichromacy



Original Color

75.2752, 0.3572, 0.4504

Protanomaly

74.7008, 0.3816, 0.4381

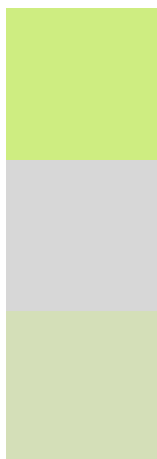
Deuteranomaly

74.3582, 0.3661, 0.3997

Tritanomaly

74.7027, 0.3210, 0.3601

Monochromacy



Original Color

75.2752, 0.3572, 0.4504

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

70.2331, 0.3307, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2752, 0.3572, 0.4504 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(206, 237, 129)` looks like.

```
.text, #text, p{  
    color:rgb(206, 237, 129)  
}
```

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(206, 237, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 237, 129) }
```

Border

The CSS property to change the border of an element to Yxy 75.2752, 0.3572, 0.4504 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(206, 237, 129) }
```

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

```
.border{ border-color:rgb(206, 237, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 237, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 237, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 237, 129);  
box-shadow:4px 4px 4px 4px rgb(206, 237,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2752, 0.3572, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 237, 129) }
```

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

```
.background{ background-color: rgb(206,  
237, 129) }
```

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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