

Converting Colors

$Yxy(78.0356, 0.3625, 0.4595)$

Have a look what the booklet for
Yxy(78.0356, 0.3625, 0.4595)
contains.

Yxy(78.0174, 0.3625, 0.4595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.0174, 0.3625, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	D2F17A
RGB	210, 241, 122
RGB Percent	82%, 95%, 48%
CMY	0.1764, 0.0549, 0.5216
CMYK	0.13, 0.00, 0.49, 0.05
HSL	76°, 81%, 71%
HSV	76°, 49%, 95%
XYZ	61.5480, 78.0174, 30.2222
YIQ	218.1650, 19.7230, -43.5810

Conversions

Conversions Part 2

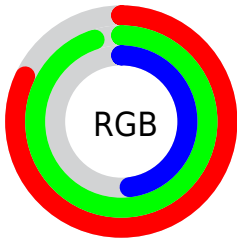
Format	Color
RYB	122, 241, 153
Decimal	13824378
CIELab	90.79, -27.72, 53.65
CIELCh	91, 60.391, 117.320
Yxy	78.0174, 0.3625, 0.4595
Android (android.graphics.Color)	4292014458 (0xFFD2F17A)
YUV	218.1650, -47.4093, -7.1607
Hunter-Lab	88.3275, -30.1914, 41.5425

Details

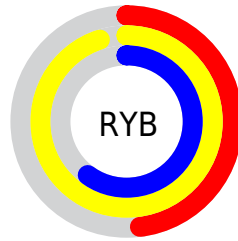
The Yxy color **78.0174, 0.3625, 0.4595** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.0376, 0.2405, 0.1808**, and the grayscale version is **70.5564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **41.8999, 0.3691, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **76.5925, 0.3694, 0.4838**, and if you desaturate by 10%, it is **79.6335, 0.3538, 0.4331**.

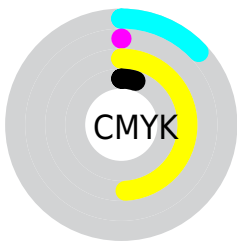
Distribution



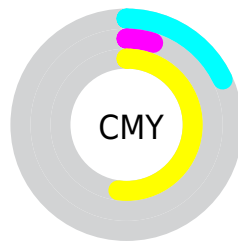
- Red (82%)
- Green (95%)
- Blue (48%)



- Red (48%)
- Yellow (95%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (49%)
- Black (5%)





- Cyan (18%)
- Magenta (5%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0174, 0.3625, 0.4595 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 78.0174, 0.3625, 0.4595 by changing the saturation by 10% instead.


 78.0174, 0.3625,
0.4595


 78.0174, 0.3625,
0.4595


488.2259, 0.3428,
0.3984

 58.0883, 0.3659,
0.4732


 130.5747, 0.3565,
0.4384

 41.8796, 0.3695,
0.4898


 163.9716, 0.3539,
0.4302

 29.0070, 0.3730,
0.5102


 202.6265, 0.3515,
0.4231

 19.0861, 0.3757,
0.5355

246.9239, 0.3494,
0.4169

 11.7325, 0.3759,
0.5671

297.2482, 0.3475,
0.4114

 6.5618, 0.3789,
0.6211


353.9837, 0.3458,


 3.1896, 0.3482,


0.4066


0.6518


417.5148, 0.3442,
0.4023


 1.2315, 0.2713,
0.7287

 0.0872, 0.0000,
1.0000


 78.0174, 0.3625,
0.4595


 78.0174, 0.3625,
0.4595


 76.5925, 0.3694,
0.4838


 79.6335, 0.3538,
0.4331

 75.3367, 0.3742,
0.5049


 81.4409, 0.3440,
0.4058


 74.2405, 0.3764,
0.5218


 83.4524, 0.3335,
0.3787


 73.2883, 0.3760,
0.5338


 85.6769, 0.3227,
0.3524

 72.4559, 0.3734,
0.5414

 88.1227, 0.3121,
0.3275

 72.4067, 0.3732,
0.5419

 90.0284, 0.3086,
0.3154

 91.1929, 0.3127,
0.3155

 91.3929, 0.3133,
0.3156

Harmonies

Analogous

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



78.0174, 0.4211, 0.4350



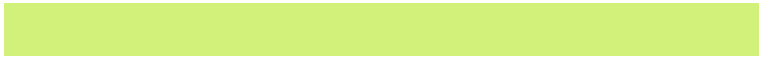
78.0174, 0.3625, 0.4595



78.0174, 0.2940, 0.4394

Triad

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



78.0174, 0.3625, 0.4595



78.0174, 0.1894, 0.2484



78.0174, 0.3913, 0.2845

Complementary

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



78.0174, 0.3625, 0.4595



27.0376, 0.2405, 0.1808

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.



78.0174, 0.3192, 0.2453



78.0174, 0.3625, 0.4595



78.0174, 0.2082, 0.2232

Square

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



78.0174, 0.3625, 0.4595



78.0174, 0.1978, 0.3018



78.0174, 0.2530, 0.2233



78.0174, 0.4424, 0.3344

Rectangle

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



78.0174, 0.3625, 0.4595



78.0174, 0.2520, 0.3999



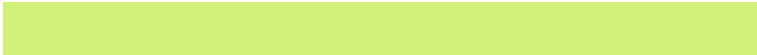
78.0174, 0.2530, 0.2233



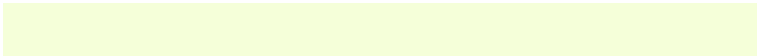
78.0174, 0.3681, 0.2699

Sweetspot

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



78.0209, 0.3625, 0.4595



95.9363, 0.3288, 0.3671



42.4790, 0.4343, 0.3619



20.4218, 0.3311, 0.3727



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.



78.0209, 0.3625, 0.4595



87.1024, 0.3693, 0.4834



70.9682, 0.3225, 0.4782



18.2399, 0.3228, 0.3526



39.3316, 0.3740, 0.5413



3.3196, 0.3802, 0.5363

Inverse Universe

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



27.0376, 0.2405, 0.1808



23.1366, 0.2228, 0.1494



34.1529, 0.2909, 0.1996



15.4277, 0.3020, 0.3049



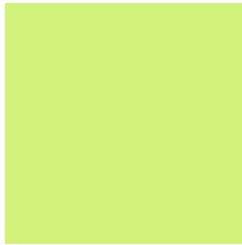
4.0677, 0.1656, 0.0686



0.3848, 0.1788, 0.0759

Previews

White Background



This preview shows how the Yxy color 78.0174, 0.3625, 0.4595 looks on a white background.

Color Contrast Check

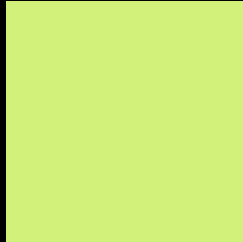
Large Text (above 18pt) WCAG AA × Fail

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 78.0174, 0.3625, 0.4595 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 78.0174, 0.3625, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 78.0174, 0.3625, 0.4595.

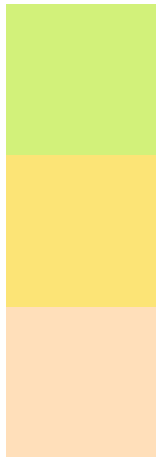


This preview shows how white text looks on a background with the Yxy color 78.0174, 0.3625, 0.4595.

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

78.0174, 0.3625, 0.4595

Protanopia

77.4903, 0.4020, 0.4378

Deuteranopia

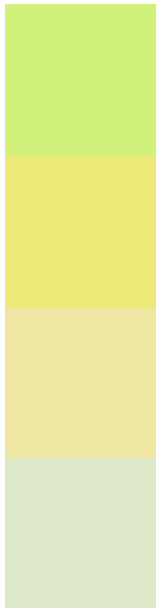
77.5805, 0.3617, 0.3669



Tritanopia

77.5383, 0.3001, 0.3102

Trichromacy



Original Color

78.0174, 0.3625, 0.4595

Protanomaly

77.6143, 0.3876, 0.4463

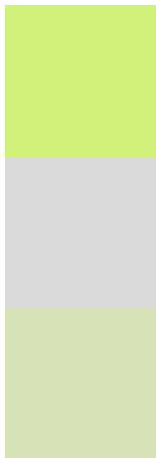
Deuteranomaly

77.5887, 0.3634, 0.3999

Tritanomaly

77.0990, 0.3248, 0.3640

Monochromacy



Original Color

78.0174, 0.3625, 0.4595

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

72.2587, 0.3331, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0174, 0.3625, 0.4595 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(210, 241, 122)` looks like.

```
.text, #text, p{  
    color:rgb(210, 241, 122)  
}
```

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(210, 241, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 241, 122) }
```

Border

The CSS property to change the border of an element to Yxy 78.0174, 0.3625, 0.4595 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(210, 241, 122) }
```

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

```
.border{ border-color:rgb(210, 241, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 241, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 241, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 241, 122);  
box-shadow:4px 4px 4px 4px rgb(210, 241,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0174, 0.3625, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 241, 122) }
```

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

```
.background{ background-color: rgb(210,  
241, 122) }
```

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