

Converting Colors

$Y_{xy}(75.5032, 0.4016, 0.5193)$

Have a look what the booklet for
Yxy(75.5032, 0.4016, 0.5193)
contains.

| | |
|---|----|
| Yxy(75.4452, 0.4014, 0.5194) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(75.4452, 0.4014, 0.5194)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D6EE01 |
| RGB | 214, 238, 1 |
| RGB Percent | 84%, 93%, 0% |
| CMY | 0.1608, 0.0666, 0.9978 |
| CMYK | 0.10, 0.00, 1.00, 0.07 |
| HSL | 66°, 100%, 47% |
| HSV | 66°, 100%, 93% |
| XYZ | 58.3052, 75.4452, 11.5042 |
| YIQ | 203.8060, 61.7730, -78.7950 |

Conversions

Conversions Part 2

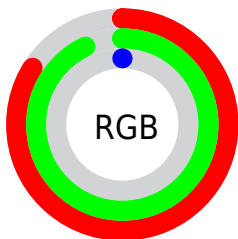
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 1, 238, 25 |
| Decimal | 14085633 |
| CIELab | 89.60, -30.34, 87.52 |
| CIELCh | 90, 92.629, 109.117 |
| Yxy | 75.4452, 0.4014, 0.5194 |
| Android (android.graphics.Color) | 4292275713 (0xFFD6EE01) |
| YUV | 203.8060, -99.9834, 8.9401 |
| Hunter-Lab | 86.8592, -32.1836, 52.9487 |

Details

The Yxy color **75.4452, 0.4014, 0.5194** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.3867, 0.1529, 0.0617**, and the grayscale version is **60.8360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **40.3259, 0.3925, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **75.4391, 0.4014, 0.5195**, and if you desaturate by 10%, it is **75.8798, 0.4013, 0.5145**.

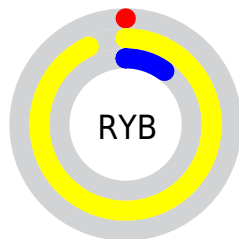
Distribution



Red (84%)

Green (93%)

Blue (0%)



Red (0%)

Yellow (93%)

Blue (10%)

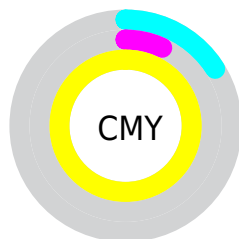


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (16%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4452, 0.4014, 0.5194 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 75.4452, 0.4014, 0.5194 by changing the saturation by 10% instead.


 75.4452, 0.4014,
0.5194


 75.4452, 0.4014,
0.5194


479.4464, 0.3713,
0.4360


 55.9777, 0.4045,
0.5353

 126.9424, 0.3939,
0.4927

 40.1850, 0.4064,
0.5530


 159.7408, 0.3901,
0.4815


 27.6828, 0.4057,
0.5722


 197.7517, 0.3864,
0.4717

 18.0867, 0.4034,
0.5966

 241.3594, 0.3829,
0.4629

 11.0123, 0.3877,
0.6123

 290.9483, 0.3797,
0.4551

 6.0751, 0.3650,
0.6350


 346.9029, 0.3767,

 2.8908, 0.3292,


0.4480


0.6708


409.6074, 0.3739,
0.4417


 1.0750, 0.2006,
0.7994


 0.0000, 0.0000,
0.0000

 75.4452, 0.4014,
0.5194

 75.4452, 0.4014,
0.5194

 75.4391, 0.4014,
0.5195

 75.8798, 0.4013,
0.5145

 76.3974, 0.3990,
0.5058

 77.0257, 0.3940,
0.4925

 77.7796, 0.3865,
0.4750

■ 78.6715, 0.3768,
0.4538

■ 79.7123, 0.3652,
0.4301

■ 80.9117, 0.3525,
0.4047

■ 82.2786, 0.3391,
0.3788

■ 83.8214, 0.3256,
0.3532

Harmonies

Analogous

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



75.4452, 0.4836, 0.4544



75.4452, 0.4014, 0.5194



75.4452, 0.3032, 0.5266

Triad

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



75.4452, 0.4014, 0.5194



75.4452, 0.1373, 0.2218



75.4452, 0.4028, 0.2454

Complementary

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



75.4452, 0.4014, 0.5194



6.3867, 0.1529, 0.0617

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.



75.4452, 0.2898, 0.1984



75.4452, 0.4014, 0.5194



75.4452, 0.1532, 0.1813

Square

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



75.4452, 0.4014, 0.5194



75.4452, 0.1551, 0.3096



75.4452, 0.2028, 0.1758



75.4452, 0.4970, 0.3085

Rectangle

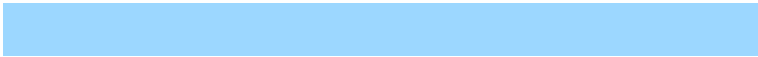
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4452, 0.4014, 0.5194



75.4452, 0.2402, 0.4757



75.4452, 0.2028, 0.1758



75.4452, 0.3644, 0.2274

Sweetspot

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



75.4487, 0.4014, 0.5194



94.5761, 0.3529, 0.4056



18.8452, 0.6332, 0.3352



20.1117, 0.3584, 0.4164



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.



75.4487, 0.4014, 0.5194



88.2113, 0.4013, 0.5195



63.6164, 0.3232, 0.5815



18.3731, 0.3253, 0.3524



42.1171, 0.4017, 0.5193



3.5270, 0.4041, 0.5173

Inverse Universe

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



6.3867, 0.1529, 0.0617



7.4370, 0.1527, 0.0615



12.0273, 0.2220, 0.0997



15.3052, 0.2995, 0.3047



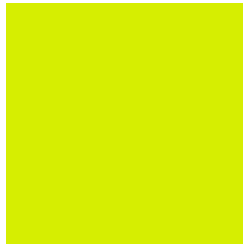
3.5781, 0.1535, 0.0619



0.3231, 0.1612, 0.0661

Previews

White Background



This preview shows how the Yxy color 75.4452, 0.4014, 0.5194 looks on a white background.

Color Contrast Check

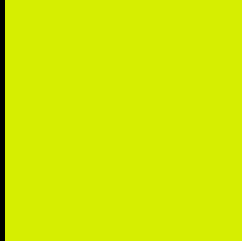
Large Text (above 18pt) WCAG AA × Fail

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 75.4452, 0.4014, 0.5194 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 75.4452, 0.4014, 0.5194

Background



This preview shows how black text looks on a background with the Yxy color 75.4452, 0.4014, 0.5194.

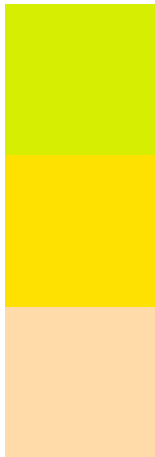


This preview shows how white text looks on a background with the Yxy color 75.4452, 0.4014, 0.5194.

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

75.4474, 0.4014, 0.5193

Protanopia

74.9213, 0.4414, 0.4877

Deuteranopia

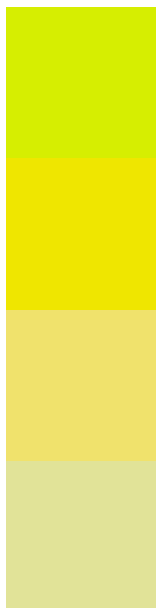
74.7876, 0.3750, 0.3804



Tritanopia

75.1007, 0.3087, 0.3103

Trichromacy



Original Color

75.4474, 0.4014, 0.5193

Protanomaly

74.9444, 0.4261, 0.4998

Deuteranomaly

74.0007, 0.3994, 0.4489

Tritanomaly

73.2127, 0.3609, 0.4116

Monochromacy



Original Color

75.4474, 0.4014, 0.5193

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

64.1333, 0.3656, 0.4294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4452, 0.4014, 0.5194 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(214, 238, 1)` looks like.

```
.text, #text, p{  
    color:rgb(214, 238, 1)  
}
```

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(214, 238, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 238, 1) }
```

Border

The CSS property to change the border of an element to Yxy 75.4452, 0.4014, 0.5194 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(214, 238, 1) }
```

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

```
.border{ border-color:rgb(214, 238, 1) }
```

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

Here you see how a box with a 4 pixel rgb(214, 238, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 238, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 238, 1);  
box-shadow:4px 4px 4px 4px rgb(214, 238,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4452, 0.4014, 0.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 238, 1) }
```

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

```
.background{ background-color: rgb(214,  
238, 1) }
```

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