

# Converting Colors

$Yxy(75.3746, 0.4019, 0.5142)$

Have a look what the booklet for  
Yxy(75.3746, 0.4019, 0.5142)  
contains.

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# Color

**Yxy(75.2333, 0.4017, 0.5143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8ED18
RGB	216, 237, 24
RGB Percent	85%, 93%, 9%
CMY	0.1531, 0.0705, 0.9059
CMYK	0.09, 0.00, 0.90, 0.07
HSL	66°, 86%, 51%
HSV	66°, 90%, 93%
XYZ	58.7618, 75.2333, 12.2878
YIQ	206.4390, 55.8570, -70.6950

# Conversions

## Conversions Part 2

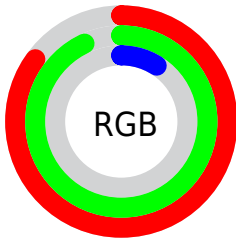
Format	Color
R <sub>Y</sub> B	24, 237, 45
Decimal	14216472
CIE Lab	89.50, -28.80, 85.25
CIE LCh	90, 89.985, 108.669
Yxy	75.2333, 0.4017, 0.5143
Android (android.graphics.Color)	4292406552 (0xFFD8ED18)
YUV	206.4390, -89.9424, 8.3850
Hunter-Lab	86.7371, -30.8615, 52.3166

# Details

The Yxy color **75.2333, 0.4017, 0.5143** 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 **7.3275, 0.1595, 0.0700**, and the grayscale version is **62.5790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **40.1157, 0.3952, 0.5244** is the 20% darker color. If you saturate the color by 10%, you get **74.8174, 0.4018, 0.5191**, and if you desaturate by 10%, it is **75.7409, 0.3994, 0.5056**.

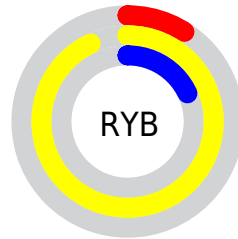
# Distribution



Red (85%)

Green (93%)

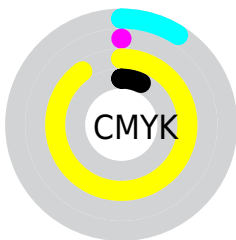
Blue (9%)



Red (9%)

Yellow (93%)

Blue (18%)

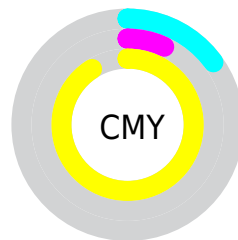


Cyan (9%)

Magenta (0%)

Yellow (90%)

Black (7%)



Cyan (15%)

Magenta (7%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2333, 0.4017, 0.5143 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 75.2333, 0.4017, 0.5143 by changing the saturation by 10% instead.




 75.2333, 0.4017,  
0.5143


 75.2333, 0.4017,  
0.5143

478.7191, 0.3706,  
0.4328

 55.8040, 0.4052,  
0.5300


 126.6426, 0.3937,  
0.4881


 40.0458, 0.4077,  
0.5476


 159.3913, 0.3897,  
0.4772

 27.5743, 0.4079,  
0.5667


 197.3487, 0.3859,  
0.4676


 18.0050, 0.4076,  
0.5922

 240.8992, 0.3824,  
0.4590

 10.9536, 0.3928,  
0.6072

 290.4270, 0.3791,  
0.4514

 6.0356, 0.3711,  
0.6289


 346.3167, 0.3761,

 2.8668, 0.3371,


0.4446


0.6629


408.9526, 0.3733,  
0.4384


 1.0626, 0.2183,  
0.7817


 0.0000, 0.0000,  
0.0000


 75.2333, 0.4017,  
0.5143


 75.2333, 0.4017,  
0.5143


 74.8174, 0.4018,  
0.5191


 75.7409, 0.3994,  
0.5056


 74.8123, 0.4018,  
0.5192

 76.3543, 0.3944,  
0.4924


 77.0916, 0.3869,  
0.4750


 77.9652, 0.3771,  
0.4539

 78.9859, 0.3655,  
0.4302

 80.1633, 0.3527,  
0.4049

 81.5063, 0.3393,  
0.3791

 83.0230, 0.3258,  
0.3534

 84.7210, 0.3125,  
0.3287

# Harmonies

## Analogous

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



75.2333, 0.4813, 0.4516



75.2333, 0.4017, 0.5143



75.2333, 0.3057, 0.5211

# Triad

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



75.2333, 0.4017, 0.5143



75.2333, 0.1409, 0.2256



75.2333, 0.3989, 0.2465

# Complementary

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



75.2333, 0.4017, 0.5143



7.3275, 0.1595, 0.0700

# 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.



75.2333, 0.2890, 0.2007



75.2333, 0.4017, 0.5143



75.2333, 0.1560, 0.1848

# Square

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



75.2333, 0.4017, 0.5143



75.2333, 0.1592, 0.3123



75.2333, 0.2044, 0.1788



75.2333, 0.4911, 0.3086



# Rectangle

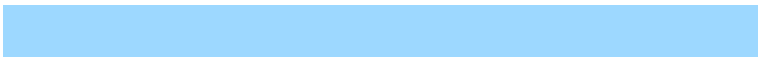
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2333, 0.4017, 0.5143



75.2333, 0.2437, 0.4725



75.2333, 0.2044, 0.1788



75.2333, 0.3615, 0.2290

# Sweetspot

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



75.2368, 0.4017, 0.5143



95.0644, 0.3491, 0.3978



19.7114, 0.6149, 0.3375



20.2371, 0.3536, 0.4066



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.



75.2368, 0.4017, 0.5143



88.3117, 0.4017, 0.5192



64.1368, 0.3305, 0.5693



17.5470, 0.3253, 0.3524



40.8721, 0.4021, 0.5189



3.2314, 0.4046, 0.5169



# Inverse Universe

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



7.3275, 0.1595, 0.0700



7.4291, 0.1526, 0.0614



13.0887, 0.2282, 0.1072



14.6201, 0.2995, 0.3047



3.4657, 0.1534, 0.0619

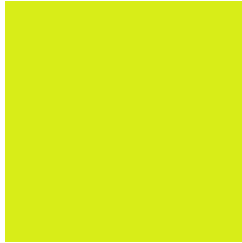


0.2963, 0.1614, 0.0663



# Previews

## White Background



This preview shows how the Yxy color 75.2333, 0.4017, 0.5143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

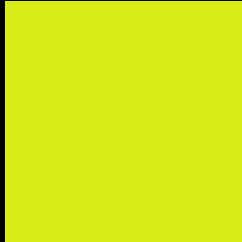
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2333, 0.4017, 0.5143 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 75.2333, 0.4017, 0.5143**

## Background



This preview shows how black text looks on a background with the Yxy color 75.2333, 0.4017, 0.5143.



This preview shows how white text looks on a background with the Yxy color 75.2333, 0.4017, 0.5143.

# 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

75.2333, 0.4017, 0.5143

### Protanopia

74.7801, 0.4392, 0.4862

### Deuteranopia

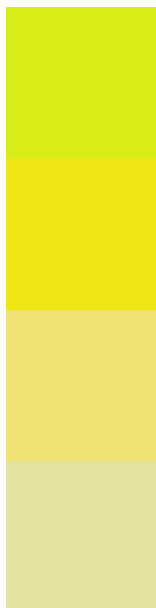
74.7502, 0.3757, 0.3814



## Tritanopia

74.6831, 0.3101, 0.3103

# Trichromacy



## Original Color

75.2333, 0.4017, 0.5143

## Protanomaly

74.6180, 0.4260, 0.4960

## Deuteranomaly

74.3544, 0.3958, 0.4417

## Tritanomaly

73.2617, 0.3575, 0.4016

# Monochromacy



## Original Color

75.2333, 0.4017, 0.5143

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

65.2208, 0.3603, 0.4187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2333, 0.4017, 0.5143 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(216, 237, 24)` looks like.

```
.text, #text, p{  
    color:rgb(216, 237, 24)  
}
```

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(216, 237, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 237, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2333, 0.4017, 0.5143 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(216, 237, 24) }
```

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

```
.border{ border-color:rgb(216, 237, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 237, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 237, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 237, 24);  
box-shadow:4px 4px 4px 4px rgb(216, 237,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2333, 0.4017, 0.5143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 237, 24) }
```

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

```
.background{ background-color: rgb(216,  
237, 24) }
```

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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