

Converting Colors

$Y_{xy}(73.3782, 0.3015, 0.5582)$

Have a look what the booklet for
Yxy(73.3782, 0.3015, 0.5582)
contains.

Yxy(73.3788, 0.3017, 0.5585)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.3788, 0.3017, 0.5585)

Conversions

Conversions Part 1

Format	Color
Hex	48FF49
RGB	72, 255, 73
RGB Percent	28%, 100%, 29%
CMY	0.7173, 0.0000, 0.7139
CMYK	0.72, 0.00, 0.71, 0.00
HSL	120°, 100%, 64%
HSV	120°, 72%, 100%
XYZ	39.6390, 73.3788, 18.3677
YIQ	179.5350, -50.6460, -95.3980

Conversions

Conversions Part 2

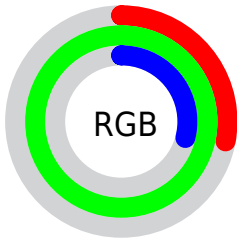
Format	Color
RYB	72, 254, 255
Decimal	4783945
CIELab	88.63, -77.42, 69.88
CIELCh	89, 104.296, 137.928
Yxy	73.3788, 0.3017, 0.5585
Android (android.graphics.Color)	4282974025 (0xFF48FF49)
YUV	179.5350, -52.5218, -94.3082
Hunter-Lab	85.6614, -67.3083, 47.2499

Details

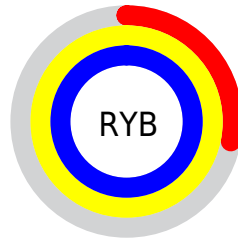
The Yxy color **73.3788, 0.3017, 0.5585** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **33.0728, 0.3209, 0.1726**, and the grayscale version is **45.6998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1784, 0.3128, 0.4806**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3247, 0.3007, 0.5809**, and if you desaturate by 10%, it is **74.9825, 0.3031, 0.5288**.

Distribution



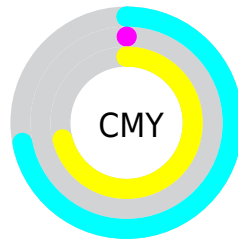
- Red (28%)
- Green (100%)
- Blue (29%)



- Red (28%)
- Yellow (100%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3788, 0.3017, 0.5585 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 73.3788, 0.3017, 0.5585 by changing the saturation by 10% instead.

 73.3788, 0.3017,
0.5585


 73.3788, 0.3017,
0.5585

472.3266, 0.3158,
0.4442

 54.2858, 0.2958,
0.5852


 124.0148, 0.3087,
0.5180


 38.8302, 0.2871,
0.6178


 156.3266, 0.3108,
0.5024


 26.6276, 0.2738,
0.6579


 193.8134, 0.3123,
0.4891

 17.2938, 0.2530,
0.7071

 236.8596, 0.3134,
0.4776

 10.4442, 0.2232,
0.7768

 285.8496, 0.3143,
0.4676

 5.6944, 0.1686,
0.8314

341.1679, 0.3149,

 2.6602, 0.0257,

0.4589

0.9743

403.1988, 0.3154,
0.4511

■ 0.9570, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.3788, 0.3017,
0.5585

■ 73.3788, 0.3017,
0.5585

■ 72.3247, 0.3007,
0.5809

■ 74.9825, 0.3031,
0.5288


■ 71.7391, 0.3002,
0.5945

■ 77.1862, 0.3047,
0.4944

■ 71.5226, 0.2999,
0.5998


■ 80.0447, 0.3064,
0.4583

■ 83.6045, 0.3081,
0.4228

 87.9075, 0.3097,
0.3896

 92.9926, 0.3112,
0.3596

 98.8957, 0.3125,
0.3332

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.3788, 0.4093, 0.5374



73.3788, 0.3017, 0.5585



73.3788, 0.2020, 0.4587

Triad

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



73.3788, 0.3017, 0.5585



73.3788, 0.1366, 0.1668



73.3788, 0.5182, 0.3002

Complementary

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



73.3788, 0.3017, 0.5585



33.0728, 0.3209, 0.1726

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.



73.3788, 0.4088, 0.2333



73.3788, 0.3017, 0.5585



73.3788, 0.1877, 0.1607

Square

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



73.3788, 0.3017, 0.5585



73.3788, 0.1207, 0.2104



73.3788, 0.2812, 0.1839



73.3788, 0.5491, 0.3750

Rectangle

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



73.3788, 0.3017, 0.5585



73.3788, 0.1552, 0.3564



73.3788, 0.2812, 0.1839



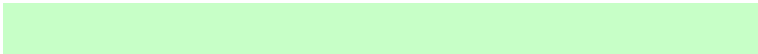
73.3788, 0.4884, 0.2768

Sweetspot

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



73.3819, 0.3017, 0.5585



87.7794, 0.3097, 0.3905



93.2491, 0.4083, 0.4871



18.5237, 0.3092, 0.3992



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.



73.3819, 0.3017, 0.5585



72.0215, 0.3004, 0.5878



75.5656, 0.2688, 0.4504



20.1696, 0.3115, 0.3535



37.3727, 0.2999, 0.5997



3.6393, 0.2997, 0.5990

Inverse Universe

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



33.0728, 0.3209, 0.1726



29.6581, 0.3217, 0.1597



28.5715, 0.4308, 0.2451



18.2989, 0.3139, 0.3057



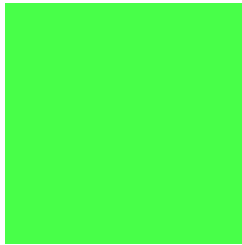
14.8423, 0.3221, 0.1548



1.4456, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 73.3788, 0.3017, 0.5585 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 73.3788, 0.3017, 0.5585 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 73.3788, 0.3017, 0.5585

Background



This preview shows how black text looks on a background with the Yxy color 73.3788, 0.3017, 0.5585.

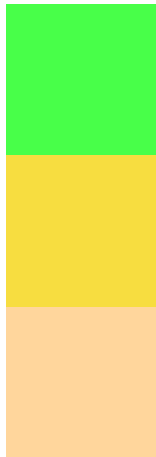


This preview shows how white text looks on a background with the Yxy color 73.3788, 0.3017, 0.5585.

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

73.3788, 0.3017, 0.5585

Protanopia

71.8572, 0.4278, 0.4719

Deuteranopia

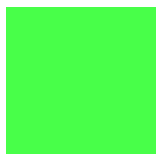
71.7534, 0.3862, 0.3887



Tritanopia

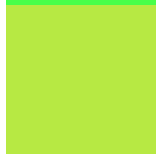
72.7749, 0.2454, 0.3079

Trichromacy



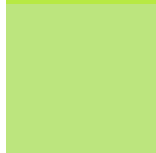
Original Color

73.3788, 0.3017, 0.5585



Protanomaly

68.7504, 0.3697, 0.5116



Deuteranomaly

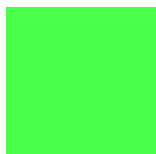
68.2363, 0.3481, 0.4522



Tritanomaly

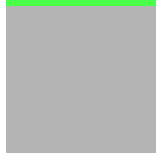
71.7550, 0.2682, 0.4002

Monochromacy



Original Color

73.3788, 0.3017, 0.5585



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2115, 0.3083, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3788, 0.3017, 0.5585 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(72, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 73)  
}
```

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(72, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 73.3788, 0.3017, 0.5585 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(72, 255, 73) }
```

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

```
.border{ border-color:rgb(72, 255, 73) }
```

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

Here you see how a box with a 4 pixel rgb(72, 255, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3788, 0.3017, 0.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 73) }
```

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

```
.background{ background-color: rgb(72, 255,  
73) }
```

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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