

Converting Colors

$Y_{xy}(73.7233, 0.3172, 0.4577)$

Have a look what the booklet for
Yxy(73.7233, 0.3172, 0.4577)
contains.

Yxy(73.8639, 0.3171, 0.4576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8639, 0.3171, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	9EF48C
RGB	158, 244, 140
RGB Percent	62%, 96%, 55%
CMY	0.3804, 0.0431, 0.4510
CMYK	0.35, 0.00, 0.43, 0.04
HSL	110°, 83%, 75%
HSV	110°, 43%, 96%
XYZ	51.1850, 73.8639, 36.3670
YIQ	206.4300, -17.8720, -50.5760

Conversions

Conversions Part 2

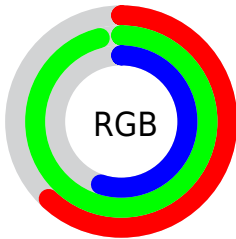
Format	Color
RYB	140, 244, 226
Decimal	10417292
CIELab	88.86, -45.18, 42.03
CIELCh	89, 61.706, 137.074
Yxy	73.8639, 0.3171, 0.4576
Android (android.graphics.Color)	4288607372 (0xFF9EF48C)
YUV	206.4300, -32.7500, -42.4731
Hunter-Lab	85.9441, -44.0945, 35.0725

Details

The Yxy color **73.8639, 0.3171, 0.4576** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.4541, 0.3018, 0.2192**, and the grayscale version is **62.2360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9072, 0.3220, 0.3932**, and **39.0700, 0.3145, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **71.3444, 0.3167, 0.4919**, and if you desaturate by 10%, it is **76.8851, 0.3168, 0.4236**.

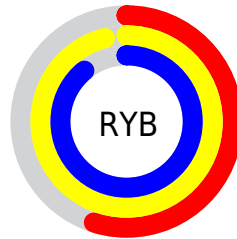
Distribution



Red (62%)

Green (96%)

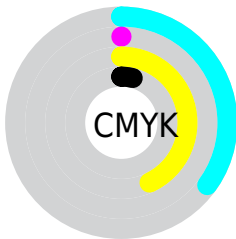
Blue (55%)



Red (55%)

Yellow (96%)

Blue (89%)

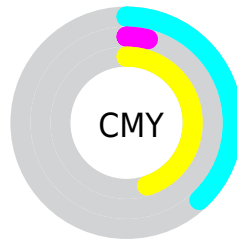


Cyan (35%)

Magenta (0%)

Yellow (43%)

Black (4%)



Cyan (38%)


Magenta (4%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8639, 0.3171, 0.4576 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 73.8639, 0.3171, 0.4576 by changing the saturation by 10% instead.

 73.8639, 0.3171,
0.4576

 73.8639, 0.3171,
0.4576

474.0035, 0.3177,
0.3946


 54.6827, 0.3162,
0.4727


 124.7029, 0.3179,
0.4351

 39.1477, 0.3146,
0.4916

 157.1294, 0.3180,
0.4266

 26.8746, 0.3118,
0.5159


 194.7397, 0.3181,
0.4193

 17.4791, 0.3069,
0.5480

237.9184, 0.3181,
0.4130

 10.5767, 0.2977,
0.5917

287.0497, 0.3180,
0.4075

 5.7829, 0.2812,
0.6574

342.5180, 0.3179,

 2.7136, 0.2453,

0.4026

0.7547

404.7079, 0.3178,
0.3984

0.9841, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.8639, 0.3171,
0.4576

73.8639, 0.3171,
0.4576

71.3444, 0.3167,
0.4919

76.8851, 0.3168,
0.4236

69.2902, 0.3155,
0.5246

80.4235, 0.3159,
0.3914

67.6747, 0.3134,
0.5532

84.5055, 0.3146,
0.3619

66.4646, 0.3105,
0.5755

89.1530, 0.3131,
0.3354

■ 65.6215, 0.3071,
0.5900

■ 93.1842, 0.3132,
0.3185

■ 65.2017, 0.3047,
0.5963

Harmonies

Analogous

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



73.8639, 0.3868, 0.4601



73.8639, 0.3171, 0.4576



73.8639, 0.2500, 0.4037

Triad

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



73.8639, 0.3171, 0.4576



73.8639, 0.1949, 0.2251



73.8639, 0.4337, 0.3158

Complementary

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



73.8639, 0.3171, 0.4576



41.4541, 0.3018, 0.2192

Split Complementary

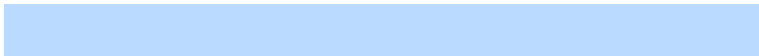
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8639, 0.3696, 0.2674



73.8639, 0.3171, 0.4576



73.8639, 0.2320, 0.2169

Square

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



73.8639, 0.3171, 0.4576



73.8639, 0.1849, 0.2607



73.8639, 0.2940, 0.2324



73.8639, 0.4595, 0.3703

Rectangle

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



73.8639, 0.3171, 0.4576



73.8639, 0.2158, 0.3514



73.8639, 0.2940, 0.2324



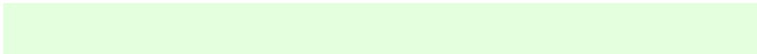
73.8639, 0.4155, 0.2986

Sweetspot

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



73.8670, 0.3171, 0.4576



93.2129, 0.3147, 0.3631



74.9431, 0.3841, 0.4174



19.7276, 0.3150, 0.3694



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.



73.8670, 0.3171, 0.4576



79.2460, 0.3168, 0.4868



73.2935, 0.2898, 0.4189



18.6099, 0.3142, 0.3533



35.4919, 0.3054, 0.5957



3.1576, 0.3126, 0.5900

Inverse Universe

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



41.4541, 0.3018, 0.2192



39.1108, 0.2986, 0.1986



42.6949, 0.3480, 0.2542



16.6147, 0.3110, 0.3055



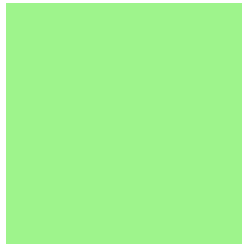
10.4133, 0.2774, 0.1302



0.9526, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 73.8639, 0.3171, 0.4576 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 73.8639, 0.3171, 0.4576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

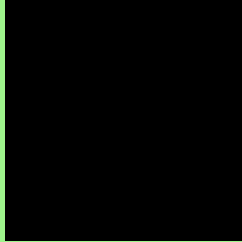
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8639, 0.3171, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 73.8639, 0.3171, 0.4576.

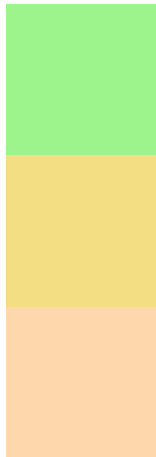


This preview shows how white text looks on a background with the Yxy color 73.8639, 0.3171, 0.4576.

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

73.8639, 0.3171, 0.4576

Protanopia

72.9632, 0.3897, 0.4228

Deuteranopia

72.8394, 0.3742, 0.3734



Tritanopia

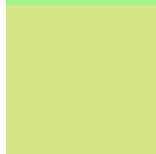
73.4011, 0.2681, 0.3076

Trichromacy



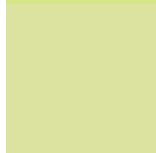
Original Color

73.8639, 0.3171, 0.4576



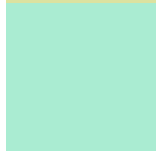
Protanomaly

72.3399, 0.3606, 0.4361



Deuteranomaly

72.1464, 0.3521, 0.4029



Tritanomaly

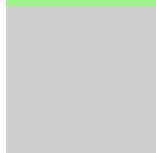
73.1901, 0.2861, 0.3598

Monochromacy



Original Color

73.8639, 0.3171, 0.4576



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.3826, 0.3155, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8639, 0.3171, 0.4576 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(158, 244, 140)` looks like.

```
.text, #text, p{  
    color:rgb(158, 244, 140)  
}
```

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(158, 244, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 244, 140) }
```

Border

The CSS property to change the border of an element to Yxy 73.8639, 0.3171, 0.4576 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(158, 244, 140) }
```

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

```
.border{ border-color:rgb(158, 244, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 244, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 244, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 244, 140); box-shadow:4px 4px 4px 4px rgb(158, 244, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8639, 0.3171, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 244, 140) }
```

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

```
.background{ background-color: rgb(158,  
244, 140) }
```

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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