

Converting Colors

$Y_{xy}(73.2055, 0.3500, 0.5025)$

Have a look what the booklet for
Yxy(73.2055, 0.3500, 0.5025)
contains.

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Color

Yxy(73.1612, 0.3496, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	ADF25C
RGB	173, 242, 92
RGB Percent	68%, 95%, 36%
CMY	0.3215, 0.0510, 0.6391
CMYK	0.29, 0.00, 0.62, 0.05
HSL	88°, 85%, 65%
HSV	88°, 62%, 95%
XYZ	50.9201, 73.1612, 21.5711
YIQ	204.2690, 7.0260, -61.2780

Conversions

Conversions Part 2

Format	Color
R_{YB}	92, 242, 161
Decimal	11399772
CIE _{Lab}	88.52, -44.45, 63.62
CIE _{LCh}	89, 77.612, 124.939
Yxy	73.1612, 0.3496, 0.5023
Android (android.graphics.Color)	4289589852 (0xFFADF25C)
YUV	204.2690, -55.3486, -27.4229
Hunter-Lab	85.5343, -43.4209, 44.9215

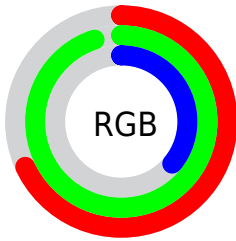
Details

The Yxy color **73.1612, 0.3496, 0.5023** is a light color, and the websafe version is hex **CCFF66**.

The color can be described as light muted chartreuse. A complement of this color would be **21.6529, 0.2424, 0.1519**, and the grayscale version is **60.9215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8139, 0.3597, 0.4391**, and **38.5152, 0.3504, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **71.5894, 0.3505, 0.5264**, and if you desaturate by 10%, it is **74.9803, 0.3466, 0.4749**.

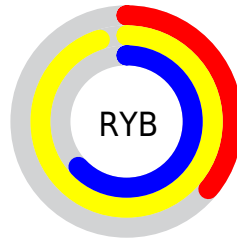
Distribution



Red (68%)

Green (95%)

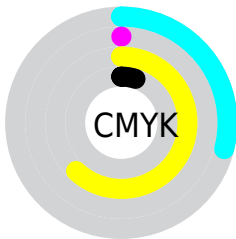
Blue (36%)



Red (36%)

Yellow (95%)

Blue (63%)

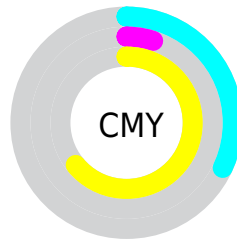


Cyan (29%)

Magenta (0%)

Yellow (62%)

Black (5%)



Cyan (32%)


Magenta (5%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1612, 0.3496, 0.5023 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 73.1612, 0.3496, 0.5023 by changing the saturation by 10% instead.

 73.1612, 0.3496,
0.5023

 73.1612, 0.3496,
0.5023


471.5733, 0.3382,
0.4190

 54.1078, 0.3503,
0.5212


 123.7060, 0.3471,
0.4733


 38.6878, 0.3500,
0.5441


 155.9662, 0.3457,
0.4620

 26.5170, 0.3478,
0.5721


 193.3975, 0.3443,
0.4523

 17.2108, 0.3418,
0.6064

 236.3842, 0.3429,
0.4439

 10.3849, 0.3322,
0.6555

285.3107, 0.3417,
0.4365

 5.6549, 0.3013,
0.6987

340.5615, 0.3404,

 2.6364, 0.2469,

0.4300

0.7531

402.5209, 0.3393,
0.4242

0.9450, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.1612, 0.3496,
0.5023

73.1612, 0.3496,
0.5023

71.5894, 0.3505,
0.5264

74.9803, 0.3466,
0.4749

70.2395, 0.3490,
0.5458

77.0512, 0.3418,
0.4457


69.0957, 0.3453,
0.5597


79.3900, 0.3358,
0.4160


68.3042, 0.3411,
0.5674

82.0083, 0.3289,
0.3870

 84.9172, 0.3216,
0.3594

 88.1268, 0.3142,
0.3338

 91.2251, 0.3107,
0.3164

 91.9858, 0.3133,
0.3165

Harmonies

Analogous

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



73.1612, 0.4304, 0.4736



73.1612, 0.3496, 0.5023



73.1612, 0.2637, 0.4616

Triad

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



73.1612, 0.3496, 0.5023



73.1612, 0.1617, 0.2136



73.1612, 0.4367, 0.2857

Complementary

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



73.1612, 0.3496, 0.5023



21.6529, 0.2424, 0.1519

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.



73.1612, 0.3440, 0.2343



73.1612, 0.3496, 0.5023



73.1612, 0.1921, 0.1934

Square

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



73.1612, 0.3496, 0.5023



73.1612, 0.1622, 0.2694



73.1612, 0.2542, 0.2017



73.1612, 0.4908, 0.3474

Rectangle

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



73.1612, 0.3496, 0.5023



73.1612, 0.2153, 0.3984



73.1612, 0.2542, 0.2017



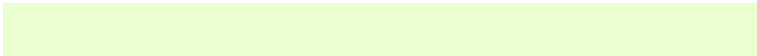
73.1612, 0.4080, 0.2669

Sweetspot

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



73.1644, 0.3496, 0.5023



93.2777, 0.3268, 0.3788



44.6278, 0.4568, 0.3994



19.7713, 0.3289, 0.3869



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.



73.1644, 0.3496, 0.5023



80.2618, 0.3504, 0.5312



66.9623, 0.3066, 0.5278



18.0767, 0.3197, 0.3528



36.7750, 0.3422, 0.5665



3.1184, 0.3518, 0.5589

Inverse Universe

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



21.6529, 0.2424, 0.1519



17.9353, 0.2250, 0.1217



31.6502, 0.3121, 0.1831



15.5850, 0.3052, 0.3051



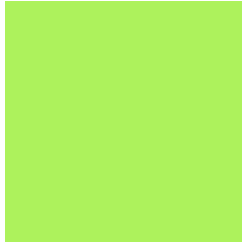
5.3505, 0.1948, 0.0847



0.5036, 0.2094, 0.0927

Previews

White Background



This preview shows how the Yxy color 73.1612, 0.3496, 0.5023 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 73.1612, 0.3496, 0.5023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

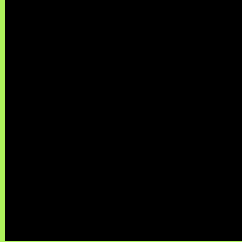
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1612, 0.3496, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 73.1612, 0.3496, 0.5023.

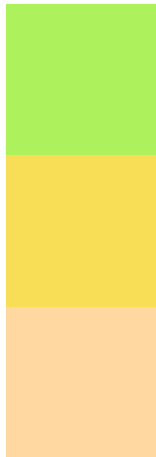


This preview shows how white text looks on a background with the Yxy color 73.1612, 0.3496, 0.5023.

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

73.1612, 0.3496, 0.5023

Protanopia

72.6886, 0.4182, 0.4595

Deuteranopia

72.4341, 0.3822, 0.3846



Tritanopia

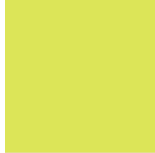
73.0001, 0.2803, 0.3091

Trichromacy



Original Color

73.1612, 0.3496, 0.5023



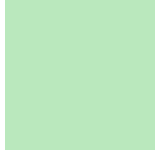
Protanomaly

71.9588, 0.3920, 0.4758



Deuteranomaly

71.6356, 0.3718, 0.4267



Tritanomaly

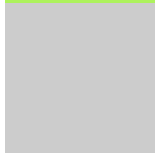
71.8265, 0.3083, 0.3799

Monochromacy



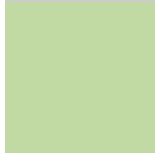
Original Color

73.1612, 0.3496, 0.5023



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.1246, 0.3313, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1612, 0.3496, 0.5023 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(173, 242, 92)` looks like.

```
.text, #text, p{  
    color:rgb(173, 242, 92)  
}
```

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(173, 242, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 242, 92) }
```

Border

The CSS property to change the border of an element to Yxy 73.1612, 0.3496, 0.5023 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(173, 242, 92) }
```

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

```
.border{ border-color:rgb(173, 242, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 242, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 242, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 242, 92);  
box-shadow:4px 4px 4px 4px rgb(173, 242,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1612, 0.3496, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 242, 92) }
```

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

```
.background{ background-color: rgb(173,  
242, 92) }
```

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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