

Converting Colors

$Yxy(73.6900, 0.3508, 0.5065)$

Have a look what the booklet for
Yxy(73.6900, 0.3508, 0.5065)
contains.

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Color

Yxy(73.6900, 0.3508, 0.5065)

Conversions

Conversions Part 1

Format	Color
Hex	ADF358
RGB	173, 243, 88
RGB Percent	68%, 95%, 35%
CMY	0.3217, 0.0470, 0.6550
CMYK	0.29, 0.00, 0.64, 0.05
HSL	87°, 87%, 65%
HSV	87°, 64%, 95%
XYZ	51.0374, 73.6900, 20.7612
YIQ	204.4000, 8.0350, -63.0450

Conversions

Conversions Part 2

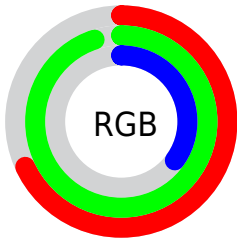
Format	Color
R _Y B	88, 243, 158
Decimal	11400024
CIE Lab	88.78, -45.22, 65.53
CIE LCh	89, 79.621, 124.607
Yxy	73.6900, 0.3508, 0.5065
Android (android.graphics.Color)	4289590104 (0xFFADF358)
YUV	204.4000, -57.3852, -27.5378
Hunter-Lab	85.8429, -44.0988, 45.7506

Details

The Yxy color **73.6900, 0.3508, 0.5065** 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 **20.7219, 0.2387, 0.1464**, and the grayscale version is **61.0114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6894, 0.3618, 0.4429**, and **38.9010, 0.3515, 0.5483** is the 20% darker color. If you saturate the color by 10%, you get **72.1549, 0.3514, 0.5297**, and if you desaturate by 10%, it is **75.4686, 0.3480, 0.4797**.

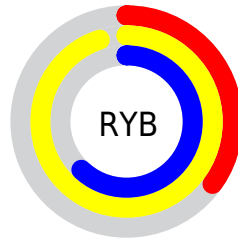
Distribution



Red (68%)

Green (95%)

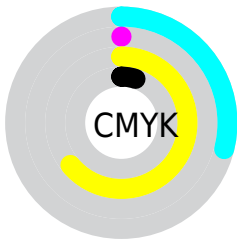
Blue (35%)



Red (35%)

Yellow (95%)

Blue (62%)

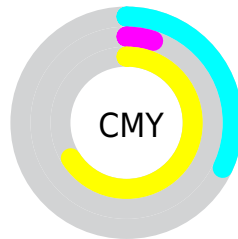


Cyan (29%)

Magenta (0%)

Yellow (64%)

Black (5%)



Cyan (32%)


Magenta (5%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6900, 0.3508, 0.5065 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 73.6900, 0.3508, 0.5065 by changing the saturation by 10% instead.

 73.6900, 0.3508,
0.5065

 73.6900, 0.3508,
0.5065


473.4028, 0.3393,
0.4215


 54.5404, 0.3514,
0.5256


 124.4563, 0.3484,
0.4770

 39.0338, 0.3509,
0.5488


 156.8417, 0.3469,
0.4655

 26.7860, 0.3484,
0.5769


 194.4078, 0.3455,
0.4556

 17.4126, 0.3419,
0.6112

 237.5390, 0.3441,
0.4469

 10.5291, 0.3324,
0.6618

286.6197, 0.3428,
0.4394

 5.7512, 0.2991,
0.7009


342.0343, 0.3416,


 2.6944, 0.2445,


0.4327

404.1672, 0.3404,
0.4268


0.7555


 0.9743, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6900, 0.3508,
0.5065


 73.6900, 0.3508,
0.5065

 72.1549, 0.3514,
0.5297


 75.4686, 0.3480,
0.4797


 70.8373, 0.3496,
0.5480

 77.4954, 0.3434,
0.4509

 69.7208, 0.3455,
0.5608

 79.7867, 0.3374,
0.4213


 69.1123, 0.3423,
0.5664

 82.3543, 0.3305,
0.3922

 85.2094, 0.3231,
0.3643

 88.3624, 0.3156,
0.3383

 91.6222, 0.3099,
0.3174

 92.5899, 0.3133,
0.3175

Harmonies

Analogous

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



73.6900, 0.4331, 0.4756



73.6900, 0.3508, 0.5065



73.6900, 0.2632, 0.4661

Triad

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



73.6900, 0.3508, 0.5065



73.6900, 0.1588, 0.2116



73.6900, 0.4386, 0.2839

Complementary

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



73.6900, 0.3508, 0.5065



20.7219, 0.2387, 0.1464

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.



73.6900, 0.3435, 0.2320



73.6900, 0.3508, 0.5065



73.6900, 0.1893, 0.1909

Square

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



73.6900, 0.3508, 0.5065



73.6900, 0.1595, 0.2687



73.6900, 0.2520, 0.1992



73.6900, 0.4945, 0.3465

Rectangle

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



73.6900, 0.3508, 0.5065



73.6900, 0.2138, 0.4013



73.6900, 0.2520, 0.1992



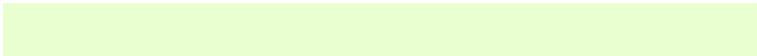
73.6900, 0.4091, 0.2650

Sweetspot

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



73.6932, 0.3508, 0.5065



93.3443, 0.3271, 0.3787



44.1290, 0.4624, 0.4008



19.7874, 0.3292, 0.3868



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.



73.6932, 0.3508, 0.5065



79.9681, 0.3510, 0.5365



67.2866, 0.3062, 0.5337



18.9196, 0.3199, 0.3529



38.0074, 0.3433, 0.5656



3.4015, 0.3524, 0.5584

Inverse Universe

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



20.7219, 0.2387, 0.1464



16.5505, 0.2195, 0.1146



31.1554, 0.3120, 0.1799



16.2934, 0.3050, 0.3050



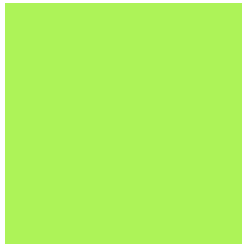
5.4420, 0.1933, 0.0838



0.5385, 0.2071, 0.0915

Previews

White Background



This preview shows how the Yxy color 73.6900, 0.3508, 0.5065 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 73.6900, 0.3508, 0.5065 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 73.6900, 0.3508, 0.5065

Background



This preview shows how black text looks on a background with the Yxy color 73.6900, 0.3508, 0.5065.



This preview shows how white text looks on a background with the Yxy color 73.6900, 0.3508, 0.5065.

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

73.6900, 0.3508, 0.5065

Protanopia

72.8082, 0.4208, 0.4617

Deuteranopia

73.0161, 0.3804, 0.3836



Tritanopia

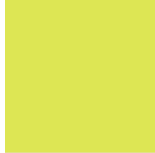
73.0613, 0.2797, 0.3080

Trichromacy



Original Color

73.6900, 0.3508, 0.5065



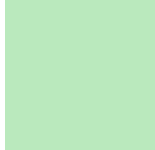
Protanomaly

72.6059, 0.3940, 0.4790



Deuteranomaly

72.1778, 0.3714, 0.4276



Tritanomaly

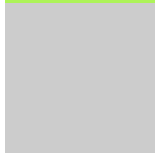
72.3911, 0.3083, 0.3810

Monochromacy



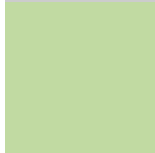
Original Color

73.6900, 0.3508, 0.5065



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.0889, 0.3320, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6900, 0.3508, 0.5065 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, 243, 88)` looks like.

```
.text, #text, p{  
    color:rgb(173, 243, 88)  
}
```

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, 243, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 243, 88) }
```

Border

The CSS property to change the border of an element to Yxy 73.6900, 0.3508, 0.5065 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, 243, 88) }
```

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

```
.border{ border-color:rgb(173, 243, 88) }
```

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

Here you see how a box with a 4 pixel rgb(173, 243, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 243, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 243, 88);  
box-shadow:4px 4px 4px 4px rgb(173, 243,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6900, 0.3508, 0.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 243, 88) }
```

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

```
.background{ background-color: rgb(173,  
243, 88) }
```

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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