

Converting Colors

$Yxy(73.6979, 0.3721, 0.5213)$

Have a look what the booklet for
Yxy(73.6979, 0.3721, 0.5213)
contains.

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Color

Yxy(73.7512, 0.3721, 0.5213)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BBF137 |
| RGB | 187, 241, 55 |
| RGB Percent | 73%, 95%, 22% |
| CMY | 0.2666, 0.0549, 0.7841 |
| CMYK | 0.22, 0.00, 0.77, 0.05 |
| HSL | 77°, 87%, 58% |
| HSV | 77°, 77%, 95% |
| XYZ | 52.6430, 73.7512, 15.0813 |
| YIQ | 203.6500, 27.5220, -69.2940 |

Conversions

Conversions Part 2

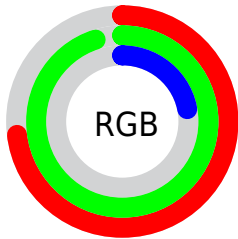
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 55, 241, 109 |
| Decimal | 12316983 |
| CIELab | 88.80, -41.13, 77.22 |
| CIELCh | 89, 87.487, 118.040 |
| Yxy | 73.7512, 0.3721, 0.5213 |
| Android (android.graphics.Color) | 4290507063 (0xFFBBF137) |
| YUV | 203.6500, -73.2845, -14.6021 |
| Hunter-Lab | 85.8785, -40.8679, 49.7029 |

Details

The Yxy color **73.7512, 0.3721, 0.5213** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **12.3421, 0.1959, 0.1026**, and the grayscale version is **60.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5551, 0.3861, 0.4625**, and **39.3651, 0.3668, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **72.7156, 0.3718, 0.5350**, and if you desaturate by 10%, it is **74.9491, 0.3698, 0.5028**.

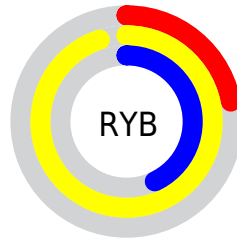
Distribution



Red (73%)

Green (95%)

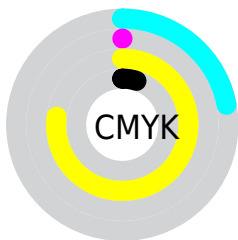
Blue (22%)



Red (22%)

Yellow (95%)

Blue (43%)

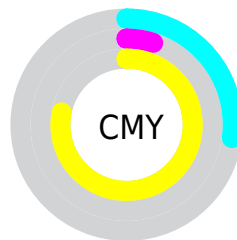


Cyan (22%)

Magenta (0%)

Yellow (77%)

Black (5%)



Cyan (27%)


Magenta (5%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7512, 0.3721, 0.5213 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 73.7512, 0.3721, 0.5213 by changing the saturation by 10% instead.


 73.7512, 0.3721,
0.5213


 73.7512, 0.3721,
0.5213


473.6142, 0.3532,
0.4320


 54.5904, 0.3735,
0.5402


 124.5431, 0.3678,
0.4912

 39.0739, 0.3735,
0.5622

 156.9429, 0.3654,
0.4792


 26.8172, 0.3709,
0.5877


 194.5246, 0.3631,
0.4687

 17.4360, 0.3645,
0.6184

 237.6725, 0.3609,
0.4595

 10.5458, 0.3487,
0.6513

 286.7711, 0.3588,
0.4514

 5.7623, 0.3166,
0.6834

342.2046, 0.3568,

 2.7011, 0.2666,

0.4442

0.7334

404.3575, 0.3549,
0.4378

0.9778, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.7512, 0.3721,
0.5213

73.7512, 0.3721,
0.5213

72.7156, 0.3718,
0.5350

74.9491, 0.3698,
0.5028


71.8132, 0.3691,
0.5439

76.3145, 0.3651,
0.4803


71.5729, 0.3681,
0.5459

77.8636, 0.3582,
0.4548

79.6079, 0.3498,
0.4277

 81.5577, 0.3403,
0.4001

 83.7226, 0.3302,
0.3728

 86.1113, 0.3200,
0.3467

 88.7322, 0.3099,
0.3222

 90.4524, 0.3101,
0.3154

Harmonies

Analogous

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



73.7512, 0.4575, 0.4719



73.7512, 0.3721, 0.5213



73.7512, 0.2770, 0.4993

Triad

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



73.7512, 0.3721, 0.5213



73.7512, 0.1448, 0.2108



73.7512, 0.4298, 0.2660

Complementary

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



73.7512, 0.3721, 0.5213



12.3421, 0.1959, 0.1026

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.



73.7512, 0.3220, 0.2146



73.7512, 0.3721, 0.5213



73.7512, 0.1697, 0.1822

Square

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



73.7512, 0.3721, 0.5213



73.7512, 0.1523, 0.2812



73.7512, 0.2286, 0.1852



73.7512, 0.5040, 0.3303

Rectangle

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



73.7512, 0.3721, 0.5213



73.7512, 0.2201, 0.4350



73.7512, 0.2286, 0.1852



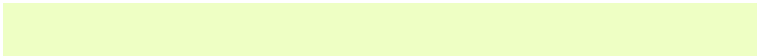
73.7512, 0.3949, 0.2469

Sweetspot

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



73.7545, 0.3721, 0.5213



93.6941, 0.3362, 0.3888



29.6476, 0.5350, 0.3750



19.8688, 0.3398, 0.3988



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.



73.7545, 0.3721, 0.5213



82.0216, 0.3704, 0.5410



65.6385, 0.3157, 0.5616



18.2152, 0.3223, 0.3526



38.8846, 0.3689, 0.5453



3.2854, 0.3758, 0.5398

Inverse Universe

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



12.3421, 0.1959, 0.1026



9.6594, 0.1744, 0.0760



21.4663, 0.2789, 0.1451



15.4510, 0.3025, 0.3049



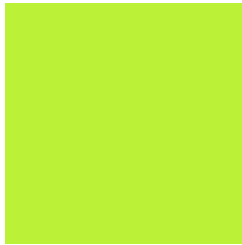
4.2090, 0.1690, 0.0705



0.3992, 0.1827, 0.0780

Previews

White Background



This preview shows how the Yxy color 73.7512, 0.3721, 0.5213 looks on a white background.

Color Contrast Check

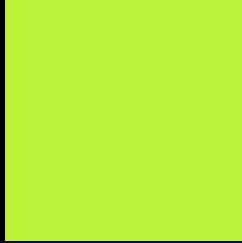
Large Text (above 18pt) WCAG AA × Fail

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 73.7512, 0.3721, 0.5213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

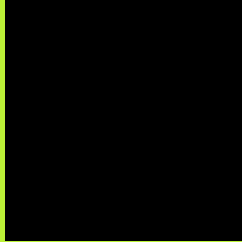
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7512, 0.3721, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 73.7512, 0.3721, 0.5213.



This preview shows how white text looks on a background with the Yxy color 73.7512, 0.3721, 0.5213.

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

73.7512, 0.3721, 0.5213

Protanopia

73.3296, 0.4328, 0.4781

Deuteranopia

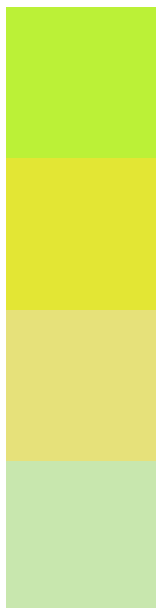
72.9449, 0.3818, 0.3856



Tritanopia

73.5266, 0.2901, 0.3105

Trichromacy



Original Color

73.7512, 0.3721, 0.5213

Protanomaly

73.1725, 0.4096, 0.4946

Deuteranomaly

72.0786, 0.3842, 0.4391

Tritanomaly

72.4872, 0.3274, 0.3953

Monochromacy



Original Color

73.7512, 0.3721, 0.5213

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

63.8335, 0.3441, 0.4097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7512, 0.3721, 0.5213 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(187, 241, 55)` looks like.

```
.text, #text, p{  
    color:rgb(187, 241, 55)  
}
```

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(187, 241, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 241, 55) }
```

Border

The CSS property to change the border of an element to Yxy 73.7512, 0.3721, 0.5213 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(187, 241, 55) }
```

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

```
.border{ border-color:rgb(187, 241, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 241, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 241, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 241, 55);  
box-shadow:4px 4px 4px 4px rgb(187, 241,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7512, 0.3721, 0.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 241, 55) }
```

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

```
.background{ background-color: rgb(187,  
241, 55) }
```

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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