

Converting Colors

Yxy(75.6934, 0.3511, 0.4951)

Have a look what the booklet for
Yxy(75.6934, 0.3511, 0.4951)
contains.

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Color

Yxy(75.9090, 0.3506, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	B4F563
RGB	180, 245, 99
RGB Percent	71%, 96%, 39%
CMY	0.2940, 0.0392, 0.6119
CMYK	0.27, 0.00, 0.60, 0.04
HSL	87°, 88%, 67%
HSV	87°, 60%, 96%
XYZ	53.7325, 75.9090, 23.6172
YIQ	208.9210, 8.1260, -59.1860

Conversions

Conversions Part 2

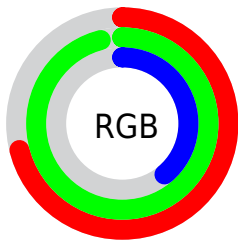
Format	Color
RYB	99, 245, 164
Decimal	11859299
CIELab	89.82, -42.68, 62.28
CIElCh	90, 75.496, 124.423
Yxy	75.9090, 0.3506, 0.4953
Android (android.graphics.Color)	4290049379 (0xFFB4F563)
YUV	208.9210, -54.1911, -25.3637
Hunter-Lab	87.1258, -42.3850, 44.9163

Details

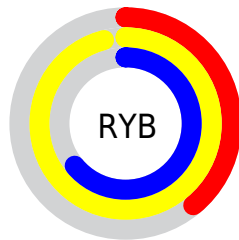
The Yxy color **75.9090, 0.3506, 0.4953** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.3974, 0.2438, 0.1574**, and the grayscale version is **64.0675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2038, 0.3612, 0.4315**, and **40.3446, 0.3520, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **74.2553, 0.3522, 0.5200**, and if you desaturate by 10%, it is **77.8143, 0.3469, 0.4676**.

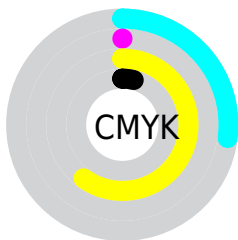
Distribution



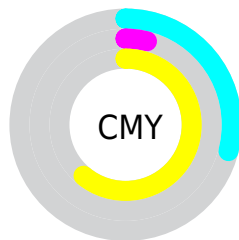
- Red (71%)
- Green (96%)
- Blue (39%)



- Red (39%)
- Yellow (96%)
- Blue (64%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (4%)





- Cyan (29%)
- Magenta (4%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9090, 0.3506, 0.4953 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 75.9090, 0.3506, 0.4953 by changing the saturation by 10% instead.


 75.9090, 0.3506,
0.4953

 75.9090, 0.3506,
0.4953


481.0361, 0.3384,
0.4160

 56.3579, 0.3517,
0.5132


 127.5983, 0.3477,
0.4678

 40.4899, 0.3520,
0.5349


 160.5052, 0.3461,
0.4570

 27.9208, 0.3507,
0.5615


 198.6329, 0.3447,
0.4478

 18.2659, 0.3463,
0.5942

 242.3657, 0.3432,
0.4397

 11.1411, 0.3372,
0.6373

292.0880, 0.3419,
0.4327

 6.1618, 0.3141,
0.6859


348.1843, 0.3406,

 2.9437, 0.2647,


0.4264


0.7353


411.0389, 0.3395,
0.4209

 1.1024, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.9090, 0.3506,
0.4953


 75.9090, 0.3506,
0.4953


 74.2553, 0.3522,
0.5200


 77.8143, 0.3469,
0.4676


 72.8276, 0.3515,
0.5404


 79.9752, 0.3415,
0.4384


 71.6109, 0.3484,
0.5554


 82.4076, 0.3350,
0.4089

 70.5775, 0.3435,
0.5653

 85.1232, 0.3277,
0.3803

 70.5389, 0.3433,
0.5656

 88.1328, 0.3201,
0.3532

 91.4468, 0.3124,
0.3280

 93.7841, 0.3132,
0.3194

Harmonies

Analogous

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



75.9090, 0.4283, 0.4683



75.9090, 0.3506, 0.4953



75.9090, 0.2674, 0.4569

Triad

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



75.9090, 0.3506, 0.4953



75.9090, 0.1661, 0.2183



75.9090, 0.4305, 0.2865

Complementary

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



75.9090, 0.3506, 0.4953



23.3974, 0.2438, 0.1574

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.



75.9090, 0.3415, 0.2366



75.9090, 0.3506, 0.4953



75.9090, 0.1953, 0.1978

Square

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



75.9090, 0.3506, 0.4953



75.9090, 0.1673, 0.2734



75.9090, 0.2552, 0.2053



75.9090, 0.4837, 0.3466

Rectangle

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



75.9090, 0.3506, 0.4953



75.9090, 0.2201, 0.3974



75.9090, 0.2552, 0.2053



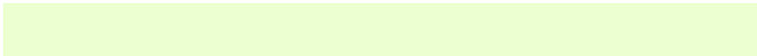
75.9090, 0.4029, 0.2683

Sweetspot

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



75.9123, 0.3506, 0.4953



93.7193, 0.3265, 0.3759



46.2423, 0.4517, 0.3951



19.8640, 0.3287, 0.3841



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.



75.9123, 0.3506, 0.4953



80.9011, 0.3523, 0.5257



69.4374, 0.3081, 0.5196



18.9256, 0.3200, 0.3529



38.0847, 0.3444, 0.5648



3.4082, 0.3533, 0.5577

Inverse Universe

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



23.3974, 0.2438, 0.1574



18.5574, 0.2255, 0.1250



33.2187, 0.3099, 0.1862



16.2875, 0.3049, 0.3050



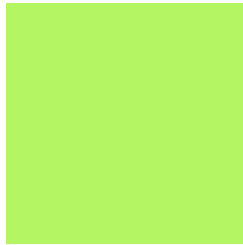
5.3820, 0.1920, 0.0831



0.5330, 0.2059, 0.0908

Previews

White Background



This preview shows how the Yxy color 75.9090, 0.3506, 0.4953 looks on a white background.

Color Contrast Check

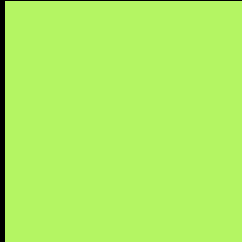
Large Text (above 18pt) WCAG AA × Fail

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 75.9090, 0.3506, 0.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

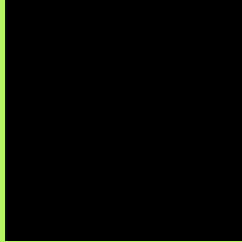
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9090, 0.3506, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 75.9090, 0.3506, 0.4953.



This preview shows how white text looks on a background with the Yxy color 75.9090, 0.3506, 0.4953.

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

75.9090, 0.3506, 0.4953

Protanopia

74.9647, 0.4153, 0.4557

Deuteranopia

74.9790, 0.3714, 0.3753



Tritanopia

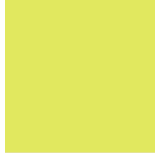
75.6503, 0.2825, 0.3094

Trichromacy



Original Color

75.9090, 0.3506, 0.4953



Protanomaly

74.5470, 0.3911, 0.4704



Deuteranomaly

74.0874, 0.3661, 0.4172



Tritanomaly

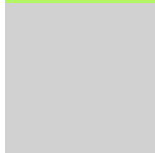
74.6492, 0.3098, 0.3765

Monochromacy



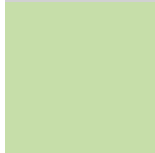
Original Color

75.9090, 0.3506, 0.4953



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.1129, 0.3305, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9090, 0.3506, 0.4953 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(180, 245, 99)` looks like.

```
.text, #text, p{  
    color:rgb(180, 245, 99)  
}
```

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(180, 245, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 245, 99) }
```

Border

The CSS property to change the border of an element to Yxy 75.9090, 0.3506, 0.4953 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(180, 245, 99) }
```

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

```
.border{ border-color:rgb(180, 245, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 245, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 245, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 245, 99);  
box-shadow:4px 4px 4px 4px rgb(180, 245,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9090, 0.3506, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 245, 99) }
```

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

```
.background{ background-color: rgb(180,  
245, 99) }
```

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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