

Converting Colors

$Yxy(69.5699, 0.3509, 0.4567)$

Have a look what the booklet for
Yxy(69.5699, 0.3509, 0.4567)
contains.

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Color

Yxy(69.5290, 0.3506, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	BEE77B
RGB	190, 231, 123
RGB Percent	75%, 91%, 48%
CMY	0.2549, 0.0941, 0.5175
CMYK	0.18, 0.00, 0.47, 0.09
HSL	83°, 69%, 69%
HSV	83°, 47%, 91%
XYZ	53.3878, 69.5290, 29.3587
YIQ	206.4290, 10.2320, -42.2800

Conversions

Conversions Part 2

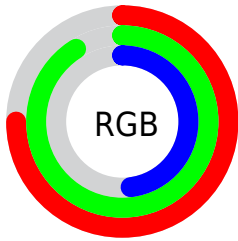
Format	Color
RYB	123, 231, 164
Decimal	12511099
CIELab	86.77, -30.41, 47.97
CIElCh	87, 56.800, 122.369
Yxy	69.5290, 0.3506, 0.4566
Android (android.graphics.Color)	4290701179 (0xFFBEE77B)
YUV	206.4290, -41.1305, -14.4082
Hunter-Lab	83.3841, -31.6350, 37.4934

Details

The Yxy color **69.5290, 0.3506, 0.4566** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.8442, 0.2563, 0.1937**, and the grayscale version is **62.2785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6508, 0.3543, 0.4070**, and **36.2658, 0.3562, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **67.9239, 0.3559, 0.4837**, and if you desaturate by 10%, it is **71.3448, 0.3437, 0.4282**.

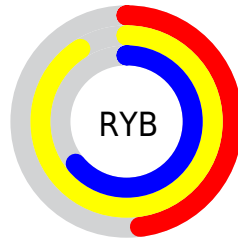
Distribution



Red (75%)

Green (91%)

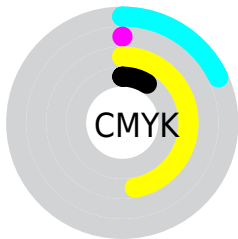
Blue (48%)



Red (48%)

Yellow (91%)

Blue (64%)

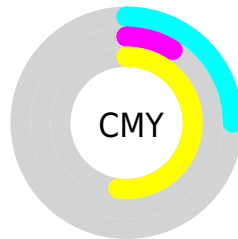


Cyan (18%)

Magenta (0%)

Yellow (47%)

Black (9%)



Cyan (25%)


Magenta (9%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5290, 0.3506, 0.4566 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 69.5290, 0.3506, 0.4566 by changing the saturation by 10% instead.


 69.5290, 0.3506,
0.4566


 69.5290, 0.3506,
0.4566


458.8945, 0.3357,
0.3949


 51.1426, 0.3531,
0.4710


 118.5368, 0.3461,
0.4349

 36.3221, 0.3556,
0.4888


 149.9271, 0.3441,
0.4265

 24.6831, 0.3578,
0.5111


 186.4208, 0.3424,
0.4194

 15.8411, 0.3588,
0.5398

228.4023, 0.3408,
0.4131

 9.4118, 0.3566,
0.5771

276.2560, 0.3393,
0.4077

 5.0107, 0.3563,
0.6437

330.3664, 0.3380,

 2.2536, 0.3147,

0.4030

0.6853

391.1178, 0.3368,
0.3987

0.7490, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.5290, 0.3506,
0.4566

69.5290, 0.3506,
0.4566

67.9239, 0.3559,
0.4837

71.3448, 0.3437,
0.4282

66.5093, 0.3593,
0.5082


73.3720, 0.3358,
0.3997


65.2760, 0.3602,
0.5287

75.6229, 0.3273,
0.3719

64.2099, 0.3587,
0.5443

78.1060, 0.3186,
0.3457

 63.2932, 0.3549,
0.5548

 80.8294, 0.3099,
0.3212

 63.0172, 0.3535,
0.5575

 83.3653, 0.3056,
0.3052

 84.9608, 0.3114,
0.3057

 85.6341, 0.3138,
0.3058

Harmonies

Analogous

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



69.5290, 0.4108, 0.4391



69.5290, 0.3506, 0.4566



69.5290, 0.2836, 0.4285

Triad

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



69.5290, 0.3506, 0.4566



69.5290, 0.1931, 0.2442



69.5290, 0.4001, 0.2932

Complementary

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



69.5290, 0.3506, 0.4566



27.8442, 0.2563, 0.1937

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.



69.5290, 0.3312, 0.2523



69.5290, 0.3506, 0.4566



69.5290, 0.2160, 0.2236

Square

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



69.5290, 0.3506, 0.4566



69.5290, 0.1968, 0.2920



69.5290, 0.2640, 0.2276



69.5290, 0.4442, 0.3433

Rectangle

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



69.5290, 0.3506, 0.4566



69.5290, 0.2443, 0.3864



69.5290, 0.2640, 0.2276



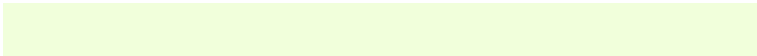
69.5290, 0.3786, 0.2782

Sweetspot

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



69.5321, 0.3506, 0.4566



95.4286, 0.3250, 0.3648



44.4835, 0.4173, 0.3745



20.2861, 0.3268, 0.3706



0.0000, 0.0000, 0.0000



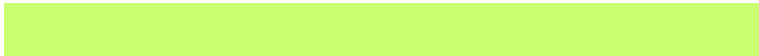
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5321, 0.3506, 0.4566



85.0787, 0.3557, 0.4826



63.9407, 0.3144, 0.4725



16.5295, 0.3209, 0.3526



35.4003, 0.3545, 0.5568



2.6688, 0.3639, 0.5493

Inverse Universe

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



27.8442, 0.2563, 0.1937



27.0071, 0.2414, 0.1643



34.6383, 0.3044, 0.2108



14.1526, 0.3039, 0.3051



4.4562, 0.1815, 0.0774



0.3812, 0.1979, 0.0864

Previews

White Background



This preview shows how the Yxy color 69.5290, 0.3506, 0.4566 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 69.5290, 0.3506, 0.4566 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 69.5290, 0.3506, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 69.5290, 0.3506, 0.4566.



This preview shows how white text looks on a background with the Yxy color 69.5290, 0.3506, 0.4566.

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

69.5290, 0.3506, 0.4566

Protanopia

69.1109, 0.3969, 0.4330

Deuteranopia

69.0629, 0.3926, 0.3899



Tritanopia

69.1781, 0.2921, 0.3091

Trichromacy



Original Color

69.5290, 0.3506, 0.4566



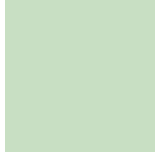
Protanomaly

68.9708, 0.3797, 0.4414



Deuteranomaly

68.5081, 0.3771, 0.4133



Tritanomaly

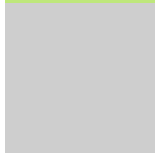
68.9948, 0.3147, 0.3615

Monochromacy



Original Color

69.5290, 0.3506, 0.4566



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.0148, 0.3283, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5290, 0.3506, 0.4566 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(190, 231, 123)` looks like.

```
.text, #text, p{  
    color:rgb(190, 231, 123)  
}
```

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(190, 231, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 231, 123) }
```

Border

The CSS property to change the border of an element to Yxy 69.5290, 0.3506, 0.4566 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(190, 231, 123) }
```

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

```
.border{ border-color:rgb(190, 231, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 231, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 231, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 231, 123);  
box-shadow:4px 4px 4px 4px rgb(190, 231,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5290, 0.3506, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 231, 123) }
```

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

```
.background{ background-color: rgb(190,  
231, 123) }
```

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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