

Converting Colors

$Yxy(65.0718, 0.2997, 0.4924)$

Have a look what the booklet for
Yxy(65.0718, 0.2997, 0.4924)
contains.

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Color

Yxy(65.0022, 0.2996, 0.4916)

Conversions

Conversions Part 1

Format	Color
Hex	6BED76
RGB	107, 237, 118
RGB Percent	42%, 93%, 46%
CMY	0.5806, 0.0706, 0.5371
CMYK	0.55, 0.00, 0.50, 0.07
HSL	125°, 78%, 67%
HSV	125°, 55%, 93%
XYZ	39.6148, 65.0022, 27.6087
YIQ	184.5640, -39.2810, -64.5690

Conversions

Conversions Part 2

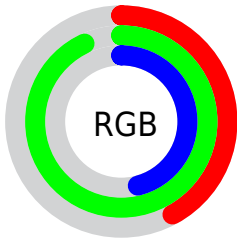
Format	Color
RYB	107, 227, 237
Decimal	7073142
CIELab	84.48, -59.64, 46.66
CIELCh	84, 75.722, 141.959
Yxy	65.0022, 0.2996, 0.4916
Android (android.graphics.Color)	4285263222 (0xFF6BED76)
YUV	184.5640, -32.8161, -68.0236
Hunter-Lab	80.6239, -53.3853, 36.1336

Details

The Yxy color **65.0022, 0.2996, 0.4916** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.9982, 0.3296, 0.2079**, and the grayscale version is **48.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7140, 0.3053, 0.4269**, and **33.4109, 0.2904, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **63.2747, 0.2982, 0.5240**, and if you desaturate by 10%, it is **67.2560, 0.3016, 0.4578**.

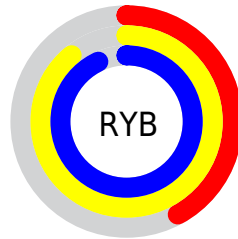
Distribution



Red (42%)

Green (93%)

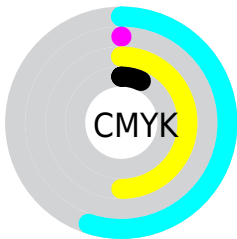
Blue (46%)



Red (42%)

Yellow (89%)

Blue (93%)

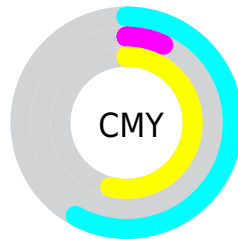


Cyan (55%)

Magenta (0%)

Yellow (50%)

Black (7%)



Cyan (58%)


Magenta (7%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0022, 0.2996, 0.4916 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 65.0022, 0.2996, 0.4916 by changing the saturation by 10% instead.


 65.0022, 0.2996,
0.4916


 65.0022, 0.2996,
0.4916


442.7999, 0.3100,
0.4089

 47.4629, 0.2959,
0.5121

 112.0530, 0.3042,
0.4615

 33.4017, 0.2905,
0.5382

 142.3333, 0.3057,
0.4502

 22.4344, 0.2823,
0.5721


 177.6293, 0.3069,
0.4406

 14.1764, 0.2692,
0.6174

218.3255, 0.3078,
0.4325

 8.2435, 0.2470,
0.6793

264.8063, 0.3085,
0.4254

 4.2511, 0.2133,
0.7867

317.4560, 0.3091,

 1.8150, 0.0363,

0.4192

0.9637

376.6591, 0.3096,
0.4137

0.4965, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.0022, 0.2996,
0.4916

65.0022, 0.2996,
0.4916

63.2747, 0.2982,
0.5240

67.2560, 0.3016,
0.4578

62.0235, 0.2975,
0.5527

70.0653, 0.3039,
0.4246


61.2026, 0.2976,
0.5754

73.4668, 0.3065,
0.3935


60.7530, 0.2983,
0.5906

77.4919, 0.3090,
0.3652

 60.6244, 0.2987,
0.5955

 82.1694, 0.3115,
0.3401

 87.5267, 0.3139,
0.3181

 89.0532, 0.3135,
0.3117

Harmonies

Analogous

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



65.0022, 0.3870, 0.4988



65.0022, 0.2996, 0.4916



65.0022, 0.2204, 0.4101

Triad

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



65.0022, 0.2996, 0.4916



65.0022, 0.1735, 0.1967



65.0022, 0.4767, 0.3196

Complementary

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



65.0022, 0.2996, 0.4916



33.9982, 0.3296, 0.2079

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.



65.0022, 0.4001, 0.2607



65.0022, 0.2996, 0.4916



65.0022, 0.2222, 0.1934

Square

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



65.0022, 0.2996, 0.4916



65.0022, 0.1563, 0.2315



65.0022, 0.3025, 0.2161



65.0022, 0.4971, 0.3848

Rectangle

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



65.0022, 0.2996, 0.4916



65.0022, 0.1833, 0.3386



65.0022, 0.3025, 0.2161



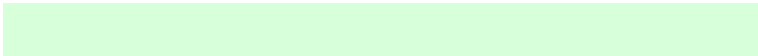
65.0022, 0.4563, 0.2989

Sweetspot

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



65.0049, 0.2996, 0.4916



90.8913, 0.3087, 0.3684



77.8300, 0.3837, 0.4641



19.2350, 0.3082, 0.3741



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.



65.0049, 0.2996, 0.4916



74.4723, 0.2980, 0.5283



67.1074, 0.2683, 0.4012



16.8830, 0.3104, 0.3512



33.1038, 0.2984, 0.5942



2.6066, 0.2944, 0.5800

Inverse Universe

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



33.9982, 0.3296, 0.2079



34.3582, 0.3336, 0.1896



31.0896, 0.4053, 0.2702



15.2903, 0.3151, 0.3077



12.5690, 0.3435, 0.1666



0.9935, 0.3400, 0.1647

Previews

White Background



This preview shows how the Yxy color 65.0022, 0.2996, 0.4916 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 65.0022, 0.2996, 0.4916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

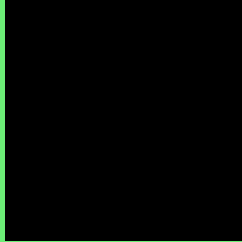
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

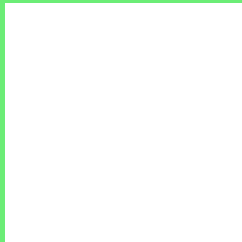
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.0022, 0.2996, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 65.0022, 0.2996, 0.4916.



This preview shows how white text looks on a background with the Yxy color 65.0022, 0.2996, 0.4916.

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

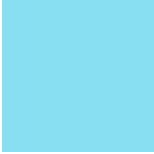
65.0022, 0.2996, 0.4916

Protanopia

63.6940, 0.4011, 0.4366

Deuteranopia

63.7235, 0.4122, 0.4042



Tritanopia

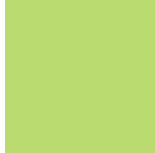
64.3605, 0.2500, 0.3070

Trichromacy



Original Color

65.0022, 0.2996, 0.4916



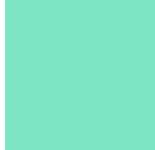
Protanomaly

62.2720, 0.3578, 0.4593



Deuteranomaly

61.3231, 0.3641, 0.4356



Tritanomaly

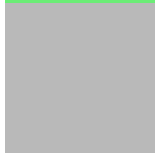
63.8323, 0.2682, 0.3709

Monochromacy



Original Color

65.0022, 0.2996, 0.4916



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.9270, 0.3070, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0022, 0.2996, 0.4916 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(107, 237, 118)` looks like.

```
.text, #text, p{  
    color:rgb(107, 237, 118)  
}
```

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(107, 237, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 237, 118) }
```

Border

The CSS property to change the border of an element to Yxy 65.0022, 0.2996, 0.4916 is called "border". The border property can be set on classes, ids or directly on the HTML element.

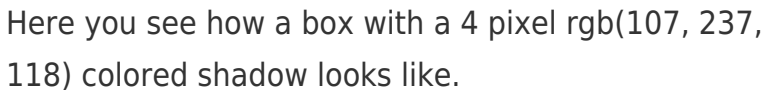
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 237, 118) }
```

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

```
.border{ border-color:rgb(107, 237, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 237, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 237, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 237, 118); box-shadow:4px 4px 4px 4px rgb(107, 237, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0022, 0.2996, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 237, 118) }
```

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

```
.background{ background-color: rgb(107,  
237, 118) }
```

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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