

Converting Colors

$Yxy(59.6317, 0.3070, 0.4517)$

Have a look what the booklet for
Yxy(59.6317, 0.3070, 0.4517)
contains.

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Color

Yxy(59.5649, 0.3070, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	86DF86
RGB	134, 223, 134
RGB Percent	53%, 87%, 53%
CMY	0.4743, 0.1255, 0.4744
CMYK	0.40, 0.00, 0.40, 0.13
HSL	120°, 58%, 70%
HSV	120°, 40%, 87%
XYZ	40.5284, 59.5649, 31.9211
YIQ	186.2430, -24.4750, -46.5470

Conversions

Conversions Part 2

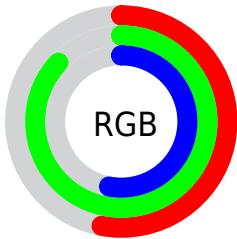
Format	Color
RYB	134, 223, 223
Decimal	8839046
CIELab	81.60, -44.36, 35.42
CIELCh	82, 56.761, 141.396
Yxy	59.5649, 0.3070, 0.4512
Android (android.graphics.Color)	4287029126 (0xFF86DF86)
YUV	186.2430, -25.7558, -45.8171
Hunter-Lab	77.1783, -41.3268, 29.5024

Details

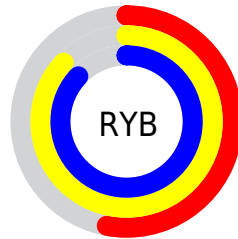
The Yxy color **59.5649, 0.3070, 0.4512** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **38.0658, 0.3173, 0.2311**, and the grayscale version is **49.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2272, 0.3110, 0.4043**, and **29.8817, 0.3018, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **57.3657, 0.3053, 0.4872**, and if you desaturate by 10%, it is **62.2864, 0.3086, 0.4162**.

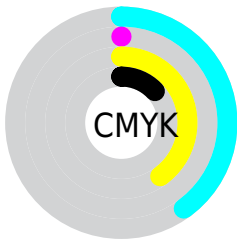
Distribution



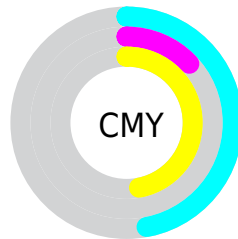
- Red (53%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)




- Cyan (47%)
- Magenta (13%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5649, 0.3070, 0.4512 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 59.5649, 0.3070, 0.4512 by changing the saturation by 10% instead.


 59.5649, 0.3070,
0.4512


 59.5649, 0.3070,
0.4512


422.9921, 0.3121,
0.3889

 43.0680, 0.3050,
0.4669


 104.1982, 0.3094,
0.4284

 29.9385, 0.3021,
0.4871


 133.1035, 0.3101,
0.4199

 19.7919, 0.2975,
0.5138


 166.9137, 0.3107,
0.4127

 12.2439, 0.2899,
0.5505


206.0132, 0.3111,
0.4065

 6.9100, 0.2761,
0.6032

250.7864, 0.3114,
0.4012

 3.4059, 0.2598,
0.7134

301.6177, 0.3117,

 1.3471, 0.0928,

0.3966

0.9072

358.8915, 0.3119,
0.3925

■ 0.1773, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5649, 0.3070,
0.4512

■ 59.5649, 0.3070,
0.4512

■ 57.3657, 0.3053,
0.4872

■ 62.2864, 0.3086,
0.4162

■ 55.6486, 0.3037,
0.5220


■ 65.5526, 0.3102,
0.3837


■ 54.3795, 0.3022,
0.5528

■ 69.3937, 0.3115,
0.3545

■ 53.5167, 0.3011,
0.5769

■ 73.8354, 0.3127,
0.3288

 53.0108, 0.3004,
0.5924

 78.9020, 0.3138,
0.3065

 52.7759, 0.3000,
0.5999

 81.2536, 0.3142,
0.2980

 52.7740, 0.3000,
0.6000

Harmonies

Analogous

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



59.5649, 0.3767, 0.4612



59.5649, 0.3070, 0.4512



59.5649, 0.2425, 0.3920

Triad

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



59.5649, 0.3070, 0.4512



59.5649, 0.1997, 0.2234



59.5649, 0.4387, 0.3236

Complementary

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



59.5649, 0.3070, 0.4512



38.0658, 0.3173, 0.2311

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.



59.5649, 0.3796, 0.2743



59.5649, 0.3070, 0.4512



59.5649, 0.2403, 0.2189

Square

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



59.5649, 0.3070, 0.4512



59.5649, 0.1859, 0.2547



59.5649, 0.3046, 0.2372



59.5649, 0.4578, 0.3779

Rectangle

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



59.5649, 0.3070, 0.4512



59.5649, 0.2111, 0.3399



59.5649, 0.3046, 0.2372



59.5649, 0.4226, 0.3063

Sweetspot

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



59.5674, 0.3070, 0.4512



92.8363, 0.3112, 0.3606



69.3938, 0.3728, 0.4261



19.7193, 0.3111, 0.3643



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.



59.5674, 0.3070, 0.4512



78.1595, 0.3056, 0.4817



61.0187, 0.2826, 0.3906



15.3375, 0.3116, 0.3532



31.0314, 0.3000, 0.6000



2.1510, 0.3000, 0.6000

Inverse Universe

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



38.0658, 0.3173, 0.2311



45.1386, 0.3182, 0.2124



36.0376, 0.3606, 0.2754



13.9354, 0.3138, 0.3059



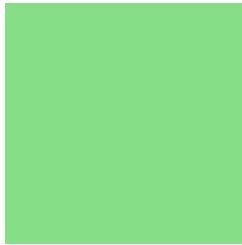
12.3506, 0.3208, 0.1541



0.8561, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 59.5649, 0.3070, 0.4512 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 59.5649, 0.3070, 0.4512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

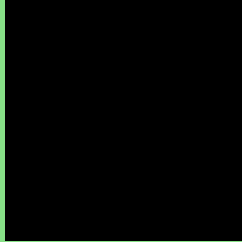
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5649, 0.3070, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 59.5649, 0.3070, 0.4512.



This preview shows how white text looks on a background with the Yxy color 59.5649, 0.3070, 0.4512.

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

59.5649, 0.3070, 0.4512

Protanopia

58.9631, 0.3841, 0.4164

Deuteranopia

58.5883, 0.3941, 0.3861



Tritanopia

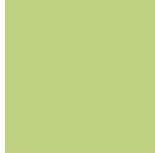
59.5164, 0.2630, 0.3079

Trichromacy



Original Color

59.5649, 0.3070, 0.4512



Protanomaly

58.4970, 0.3528, 0.4301



Deuteranomaly

57.4382, 0.3586, 0.4097



Tritanomaly

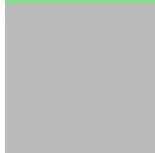
59.1178, 0.2792, 0.3577

Monochromacy



Original Color

59.5649, 0.3070, 0.4512



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.8524, 0.3107, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5649, 0.3070, 0.4512 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(134, 223, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 223, 134)  
}
```

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(134, 223, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 223, 134) }
```

Border

The CSS property to change the border of an element to Yxy 59.5649, 0.3070, 0.4512 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(134, 223, 134) }
```

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

```
.border{ border-color:rgb(134, 223, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 223, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 223, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 223, 134); box-shadow:4px 4px 4px 4px rgb(134, 223, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5649, 0.3070, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 223, 134) }
```

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

```
.background{ background-color: rgb(134,  
223, 134) }
```

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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