

Converting Colors

Yxy(56.2119, 0.3073, 0.4468)

Have a look what the booklet for
Yxy(56.2119, 0.3073, 0.4468)
contains.

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Color

Yxy(56.3057, 0.3072, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	85D985
RGB	133, 217, 133
RGB Percent	52%, 85%, 52%
CMY	0.4784, 0.1490, 0.4784
CMYK	0.39, 0.00, 0.39, 0.15
HSL	120°, 52%, 69%
HSV	120°, 39%, 85%
XYZ	38.7220, 56.3057, 31.0204
YIQ	182.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

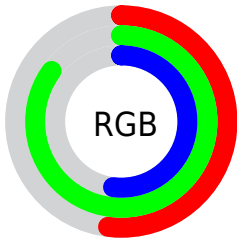
Format	Color
RYB	133, 217, 217
Decimal	8771973
CIELab	79.79, -42.22, 33.55
CIELCh	80, 53.924, 141.526
Yxy	56.3057, 0.3072, 0.4467
Android (android.graphics.Color)	4286962053 (0xFF85D985)
YUV	182.3080, -24.3088, -43.2431
Hunter-Lab	75.0371, -39.2022, 28.0154

Details

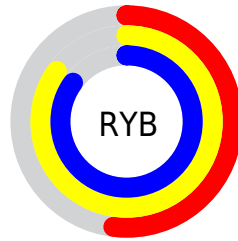
The Yxy color **56.3057, 0.3072, 0.4467** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **36.5382, 0.3172, 0.2340**, and the grayscale version is **47.1041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9267, 0.3103, 0.4057**, and **27.7186, 0.3025, 0.4817** is the 20% darker color. If you saturate the color by 10%, you get **54.1812, 0.3055, 0.4827**, and if you desaturate by 10%, it is **58.9237, 0.3088, 0.4120**.

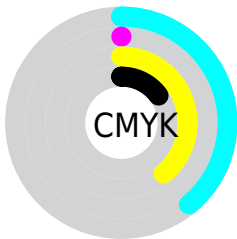
Distribution



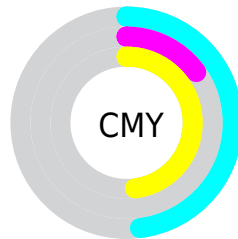
- Red (52%)
- Green (85%)
- Blue (52%)



- Red (52%)
- Yellow (85%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)




- Cyan (48%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3057, 0.3072, 0.4467 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 56.3057, 0.3072, 0.4467 by changing the saturation by 10% instead.


 56.3057, 0.3072,
0.4467

 56.3057, 0.3072,
0.4467


410.8425, 0.3120,
0.3862

 40.4481, 0.3053,
0.4621


 99.4514, 0.3095,
0.4244

 27.8881, 0.3025,
0.4820

 127.5083, 0.3102,
0.4162

 18.2413, 0.2980,
0.5086


 160.4003, 0.3107,
0.4092

 11.1234, 0.2905,
0.5455

198.5120, 0.3111,
0.4032

 6.1499, 0.2767,
0.5993

242.2277, 0.3114,
0.3981

 2.9364, 0.2643,
0.7259

291.9317, 0.3117,

 1.0986, 0.0000,

0.3936

1.0000

348.0085, 0.3119,
0.3897

■ 0.0000, 0.0000,
0.0000

■ 56.3057, 0.3072,
0.4467

■ 56.3057, 0.3072,
0.4467

■ 54.1812, 0.3055,
0.4827

■ 58.9237, 0.3088,
0.4120

■ 52.5126, 0.3039,
0.5177

■ 62.0556, 0.3103,
0.3799

■ 51.2687, 0.3024,
0.5491


■ 65.7296, 0.3117,
0.3512


■ 50.4113, 0.3012,
0.5741

■ 69.9696, 0.3129,
0.3259

■ 49.8950, 0.3004,
0.5908

■ 74.7980, 0.3139,
0.3041

 49.6506, 0.3000,
0.5992

 78.1062, 0.3145,
0.2920

 49.6263, 0.3000,
0.6000

Harmonies

Analogous

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



56.3057, 0.3749, 0.4571



56.3057, 0.3072, 0.4467



56.3057, 0.2445, 0.3896

Triad

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



56.3057, 0.3072, 0.4467



56.3057, 0.2030, 0.2264



56.3057, 0.4348, 0.3243

Complementary

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



56.3057, 0.3072, 0.4467



36.5382, 0.3172, 0.2340

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.



56.3057, 0.3778, 0.2761



56.3057, 0.3072, 0.4467



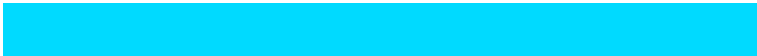
56.3057, 0.2427, 0.2219

Square

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



56.3057, 0.3072, 0.4467



56.3057, 0.1894, 0.2569



56.3057, 0.3053, 0.2399



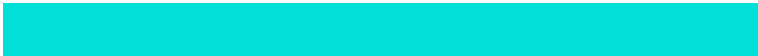
56.3057, 0.4533, 0.3773

Rectangle

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



56.3057, 0.3072, 0.4467



56.3057, 0.2139, 0.3394



56.3057, 0.3053, 0.2399



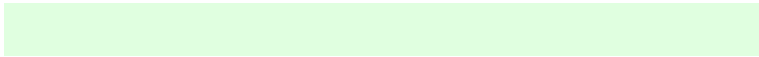
56.3057, 0.4193, 0.3074

Sweetspot

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



56.3081, 0.3072, 0.4467



92.8354, 0.3112, 0.3606



65.3532, 0.3710, 0.4231



19.7191, 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.



56.3081, 0.3072, 0.4467



78.7251, 0.3059, 0.4744



57.6542, 0.2834, 0.3883



14.6063, 0.3116, 0.3532



30.0409, 0.3000, 0.6000



1.9462, 0.3000, 0.6000

Inverse Universe

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



36.5382, 0.3172, 0.2340



46.5686, 0.3180, 0.2167



34.6804, 0.3585, 0.2771



13.2748, 0.3138, 0.3060



11.9604, 0.3209, 0.1541



0.7749, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 56.3057, 0.3072, 0.4467 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 56.3057, 0.3072, 0.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

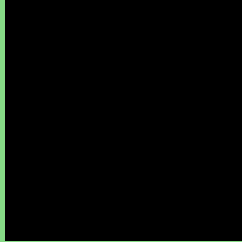
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3057, 0.3072, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 56.3057, 0.3072, 0.4467.

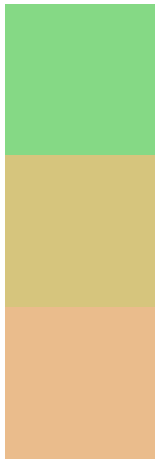


This preview shows how white text looks on a background with the Yxy color 56.3057, 0.3072, 0.4467.

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

56.3057, 0.3072, 0.4467

Protanopia

55.7093, 0.3820, 0.4140

Deuteranopia

55.3523, 0.3920, 0.3830



Tritanopia

55.9544, 0.2636, 0.3074

Trichromacy



Original Color

56.3057, 0.3072, 0.4467



Protanomaly

55.0585, 0.3521, 0.4261



Deuteranomaly

54.5233, 0.3575, 0.4064



Tritanomaly

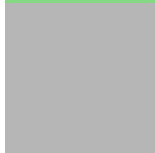
55.7402, 0.2797, 0.3556

Monochromacy



Original Color

56.3057, 0.3072, 0.4467



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.6031, 0.3107, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3057, 0.3072, 0.4467 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(133, 217, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 217, 133)  
}
```

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(133, 217, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 217, 133) }
```

Border

The CSS property to change the border of an element to Yxy 56.3057, 0.3072, 0.4467 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(133, 217, 133) }
```

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

```
.border{ border-color:rgb(133, 217, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 217, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 217, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 217, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 217,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3057, 0.3072, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 217, 133) }
```

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

```
.background{ background-color: rgb(133,  
217, 133) }
```

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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