

Converting Colors

Yxy(56.7128, 0.3177, 0.4778)

Have a look what the booklet for
Yxy(56.7128, 0.3177, 0.4778)
contains.

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Color

Yxy(56.7384, 0.3179, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	84DB70
RGB	132, 219, 112
RGB Percent	52%, 86%, 44%
CMY	0.4826, 0.1411, 0.5607
CMYK	0.40, 0.00, 0.49, 0.14
HSL	109°, 60%, 65%
HSV	109°, 49%, 86%
XYZ	37.7662, 56.7384, 24.2944
YIQ	180.7890, -17.5050, -51.7210

Conversions

Conversions Part 2

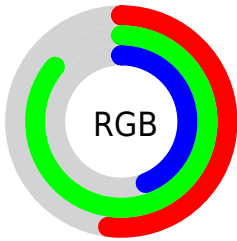
Format	Color
RYB	112, 219, 199
Decimal	8706928
CIELab	80.03, -46.35, 44.27
CIELCh	80, 64.091, 136.314
Yxy	56.7384, 0.3179, 0.4776
Android (android.graphics.Color)	4286897008 (0xFF84DB70)
YUV	180.7890, -33.9130, -42.7880
Hunter-Lab	75.3249, -42.3227, 33.6047

Details

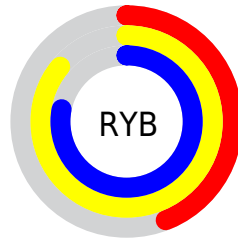
The Yxy color **56.7384, 0.3179, 0.4776** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **28.8606, 0.2982, 0.2041**, and the grayscale version is **46.2776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0920, 0.3216, 0.4300**, and **28.0678, 0.3137, 0.5205** is the 20% darker color. If you saturate the color by 10%, you get **54.9953, 0.3171, 0.5109**, and if you desaturate by 10%, it is **58.8504, 0.3178, 0.4436**.

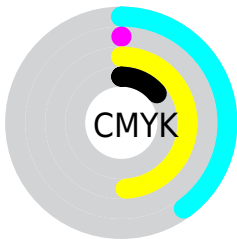
Distribution



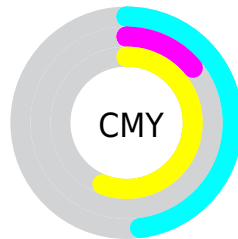
- Red (52%)
- Green (86%)
- Blue (44%)



- Red (44%)
- Yellow (86%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (14%)





- Cyan (48%)
- Magenta (14%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7384, 0.3179, 0.4776 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 56.7384, 0.3179, 0.4776 by changing the saturation by 10% instead.


 56.7384, 0.3179,
0.4776

 56.7384, 0.3179,
0.4776


412.4683, 0.3190,
0.4012


 40.7952, 0.3164,
0.4968


 100.0834, 0.3192,
0.4496

 28.1591, 0.3137,
0.5214


 128.2540, 0.3194,
0.4392

 18.4456, 0.3087,
0.5536


 161.2692, 0.3195,
0.4303

 11.2704, 0.2995,
0.5971

199.5135, 0.3195,
0.4228

 6.2490, 0.2830,
0.6614

243.3711, 0.3194,
0.4163

 2.9971, 0.2471,
0.7529

293.2265, 0.3193,

 1.1302, 0.0000,

0.4106

1.0000

349.4641, 0.3191,
0.4056

■ 0.0036, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7384, 0.3179,
0.4776

■ 56.7384, 0.3179,
0.4776

■ 54.9953, 0.3171,
0.5109

■ 58.8504, 0.3178,
0.4436

■ 53.5926, 0.3155,
0.5412


■ 61.3434, 0.3171,
0.4105


■ 52.5092, 0.3128,
0.5661

■ 64.2381, 0.3158,
0.3796

■ 51.7184, 0.3095,
0.5841

■ 67.5511, 0.3143,
0.3514

 51.1850, 0.3059,
0.5946

 71.2986, 0.3125,
0.3263

 51.1366, 0.3056,
0.5955

 75.4954, 0.3107,
0.3041

 79.1494, 0.3144,
0.2940

Harmonies

Analogous

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



56.7384, 0.3957, 0.4757



56.7384, 0.3179, 0.4776



56.7384, 0.2429, 0.4168

Triad

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



56.7384, 0.3179, 0.4776



56.7384, 0.1813, 0.2134



56.7384, 0.4485, 0.3114

Complementary

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



56.7384, 0.3179, 0.4776



28.8606, 0.2982, 0.2041

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.



56.7384, 0.3746, 0.2588



56.7384, 0.3179, 0.4776



56.7384, 0.2209, 0.2045

Square

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



56.7384, 0.3179, 0.4776



56.7384, 0.1710, 0.2525



56.7384, 0.2889, 0.2211



56.7384, 0.4782, 0.3710

Rectangle

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



56.7384, 0.3179, 0.4776



56.7384, 0.2049, 0.3559



56.7384, 0.2889, 0.2211



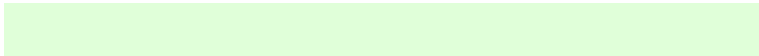
56.7384, 0.4275, 0.2927

Sweetspot

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



56.7408, 0.3179, 0.4776



92.3440, 0.3153, 0.3687



56.4437, 0.3953, 0.4271



19.5590, 0.3156, 0.3749



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.



56.7408, 0.3179, 0.4776



77.4826, 0.3171, 0.5130



56.1324, 0.2884, 0.4368



14.7223, 0.3144, 0.3530



30.3527, 0.3063, 0.5950



2.0014, 0.3167, 0.5868

Inverse Universe

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



28.8606, 0.2982, 0.2041



33.5587, 0.2935, 0.1800



30.2382, 0.3526, 0.2425



13.1459, 0.3108, 0.3058



8.7043, 0.2744, 0.1285



0.5963, 0.2824, 0.1329

Previews

White Background



This preview shows how the Yxy color 56.7384, 0.3179, 0.4776 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 56.7384, 0.3179, 0.4776 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 56.7384, 0.3179, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 56.7384, 0.3179, 0.4776.

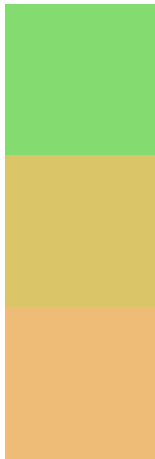


This preview shows how white text looks on a background with the Yxy color 56.7384, 0.3179, 0.4776.

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

56.7384, 0.3179, 0.4776

Protanopia

56.3135, 0.3990, 0.4349

Deuteranopia

55.6732, 0.4124, 0.4030



Tritanopia

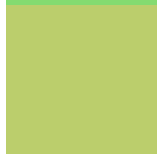
56.6288, 0.2649, 0.3088

Trichromacy



Original Color

56.7384, 0.3179, 0.4776



Protanomaly

55.7901, 0.3662, 0.4513



Deuteranomaly

54.4106, 0.3746, 0.4295



Tritanomaly

56.0272, 0.2847, 0.3665

Monochromacy



Original Color

56.7384, 0.3179, 0.4776



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.2170, 0.3157, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7384, 0.3179, 0.4776 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(132, 219, 112)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 112)  
}
```

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(132, 219, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 112) }
```

Border

The CSS property to change the border of an element to Yxy 56.7384, 0.3179, 0.4776 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(132, 219, 112) }
```

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

```
.border{ border-color:rgb(132, 219, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 219, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 219, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 219, 112); box-shadow:4px 4px 4px 4px rgb(132, 219, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7384, 0.3179, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 112) }
```

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

```
.background{ background-color: rgb(132,  
219, 112) }
```

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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