

Converting Colors

Yxy(56.6813, 0.3107, 0.4710)

Have a look what the booklet for
Yxy(56.6813, 0.3107, 0.4710)
contains.

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Color

Yxy(56.4306, 0.3103, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	7EDB77
RGB	126, 219, 119
RGB Percent	49%, 86%, 47%
CMY	0.5062, 0.1411, 0.5334
CMYK	0.43, 0.00, 0.46, 0.14
HSL	116°, 58%, 66%
HSV	116°, 46%, 86%
XYZ	37.2562, 56.4306, 26.3783
YIQ	179.7930, -23.3280, -50.8160

Conversions

Conversions Part 2

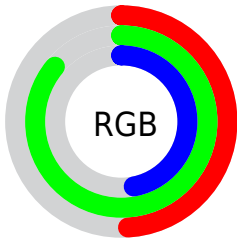
Format	Color
RYB	119, 219, 212
Decimal	8313719
CIELab	79.86, -47.26, 40.59
CIELCh	80, 62.300, 139.338
Yxy	56.4306, 0.3103, 0.4700
Android (android.graphics.Color)	4286503799 (0xFF7EDB77)
YUV	179.7930, -29.9709, -47.1765
Hunter-Lab	75.1203, -42.9328, 31.7647

Details

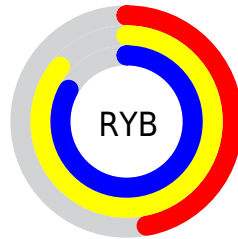
The Yxy color **56.4306, 0.3103, 0.4700** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.3177, 0.3110, 0.2159**, and the grayscale version is **45.6891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6044, 0.3142, 0.4230**, and **27.8769, 0.3048, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **54.5722, 0.3090, 0.5050**, and if you desaturate by 10%, it is **58.7306, 0.3113, 0.4349**.

Distribution



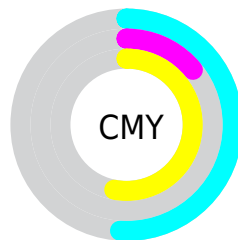
- Red (49%)
- Green (86%)
- Blue (47%)



- Red (47%)
- Yellow (86%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)




- Cyan (51%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4306, 0.3103, 0.4700 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 56.4306, 0.3103, 0.4700 by changing the saturation by 10% instead.


 56.4306, 0.3103,
0.4700

 56.4306, 0.3103,
0.4700


411.3122, 0.3146,
0.3973


 40.5483, 0.3082,
0.4885


 99.6339, 0.3126,
0.4432

 27.9663, 0.3048,
0.5123


 127.7236, 0.3133,
0.4333

 18.3002, 0.2993,
0.5437


 160.6513, 0.3137,
0.4249

 11.1658, 0.2895,
0.5868

198.8013, 0.3141,
0.4177

 6.1784, 0.2716,
0.6485

242.5579, 0.3143,
0.4116

 2.9539, 0.2413,
0.7587


292.3057, 0.3144,


 1.1077, 0.0000,


0.4062


1.0000

348.4290, 0.3146,
0.4014


 0.0000, 0.0000,
0.0000


 56.4306, 0.3103,
0.4700


 56.4306, 0.3103,
0.4700

 54.5722, 0.3090,
0.5050


 58.7306, 0.3113,
0.4349


 53.1206, 0.3073,
0.5375

 61.4905, 0.3120,
0.4014


 52.0472, 0.3054,
0.5647

 64.7360, 0.3125,
0.3706

 51.3166, 0.3035,
0.5846


 68.4888, 0.3127,
0.3431

 50.8866, 0.3017,
0.5959

 72.7696, 0.3127,
0.3189

 50.7747, 0.3013,
0.5990

 77.5976, 0.3127,
0.2979

 79.1517, 0.3144,
0.2940

Harmonies

Analogous

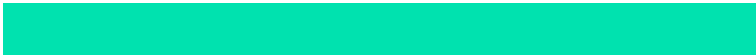
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4306, 0.3870, 0.4748



56.4306, 0.3103, 0.4700



56.4306, 0.2384, 0.4058

Triad

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



56.4306, 0.3103, 0.4700



56.4306, 0.1867, 0.2139



56.4306, 0.4502, 0.3178

Complementary

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



56.4306, 0.3103, 0.4700



32.3177, 0.3110, 0.2159

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.



56.4306, 0.3815, 0.2651



56.4306, 0.3103, 0.4700



56.4306, 0.2286, 0.2078

Square

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



56.4306, 0.3103, 0.4700



56.4306, 0.1737, 0.2492



56.4306, 0.2976, 0.2263



56.4306, 0.4741, 0.3766

Rectangle

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



56.4306, 0.3103, 0.4700



56.4306, 0.2030, 0.3463



56.4306, 0.2976, 0.2263



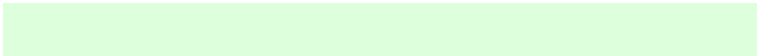
56.4306, 0.4312, 0.2992

Sweetspot

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



56.4330, 0.3103, 0.4700



92.1440, 0.3125, 0.3662



62.8247, 0.3840, 0.4326



19.4912, 0.3124, 0.3725



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.



56.4330, 0.3103, 0.4700



77.0717, 0.3090, 0.5043



57.1547, 0.2830, 0.4111



14.6491, 0.3126, 0.3531



30.1190, 0.3016, 0.5987



1.9667, 0.3064, 0.5949

Inverse Universe

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



32.3177, 0.3110, 0.2159



38.8887, 0.3101, 0.1948



31.4426, 0.3626, 0.2604



13.2266, 0.3127, 0.3059



10.6504, 0.3037, 0.1447



0.7041, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 56.4306, 0.3103, 0.4700 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 56.4306, 0.3103, 0.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

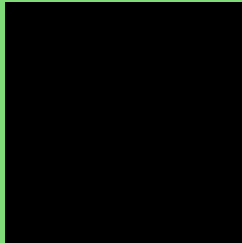
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4306, 0.3103, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 56.4306, 0.3103, 0.4700.



This preview shows how white text looks on a background with the Yxy color 56.4306, 0.3103, 0.4700.

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

56.4306, 0.3103, 0.4700

Protanopia

55.6791, 0.3937, 0.4286

Deuteranopia

55.4773, 0.4059, 0.3974



Tritanopia

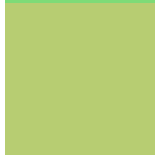
56.1185, 0.2608, 0.3074

Trichromacy



Original Color

56.4306, 0.3103, 0.4700



Protanomaly

54.9448, 0.3594, 0.4448



Deuteranomaly

54.1472, 0.3677, 0.4234



Tritanomaly

55.6227, 0.2791, 0.3627

Monochromacy



Original Color

56.4306, 0.3103, 0.4700



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.5258, 0.3120, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4306, 0.3103, 0.4700 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(126, 219, 119)` looks like.

```
.text, #text, p{  
    color:rgb(126, 219, 119)  
}
```

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(126, 219, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 219, 119) }
```

Border

The CSS property to change the border of an element to Yxy 56.4306, 0.3103, 0.4700 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(126, 219, 119) }
```

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

```
.border{ border-color:rgb(126, 219, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 219, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 219, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 219, 119); box-shadow:4px 4px 4px 4px rgb(126, 219, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4306, 0.3103, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 219, 119) }
```

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

```
.background{ background-color: rgb(126,  
219, 119) }
```

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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