

Converting Colors

$Yxy(56.5252, 0.2830, 0.3790)$

Have a look what the booklet for
Yxy(56.5252, 0.2830, 0.3790)
contains.

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Color

Yxy(56.5017, 0.2829, 0.3794)

Conversions

Conversions Part 1

Format	Color
Hex	88D6B1
RGB	136, 214, 177
RGB Percent	53%, 84%, 69%
CMY	0.4669, 0.1607, 0.3058
CMYK	0.36, 0.00, 0.17, 0.16
HSL	152°, 49%, 69%
HSV	152°, 36%, 84%
XYZ	42.1306, 56.5017, 50.2916
YIQ	186.4600, -34.6110, -28.0430

Conversions

Conversions Part 2

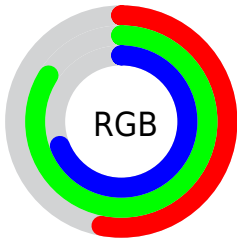
Format	Color
RYB	136, 187, 214
Decimal	8967857
CIELab	79.90, -32.12, 10.74
CIELCh	80, 33.872, 161.509
Yxy	56.5017, 0.2829, 0.3794
Android (android.graphics.Color)	4287157937 (0xFF88D6B1)
YUV	186.4600, -4.6638, -44.2534
Hunter-Lab	75.1676, -31.4962, 12.9488

Details

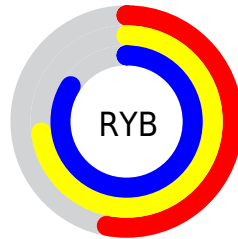
The Yxy color **56.5017, 0.2829, 0.3794** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9053, 0.3586, 0.2840**, and the grayscale version is **49.4108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6097, 0.2874, 0.3527**, and **28.0453, 0.2748, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **54.4988, 0.2765, 0.3962**, and if you desaturate by 10%, it is **58.8970, 0.2904, 0.3638**.

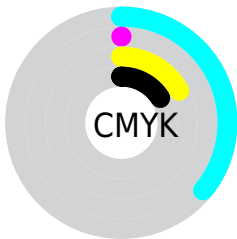
Distribution



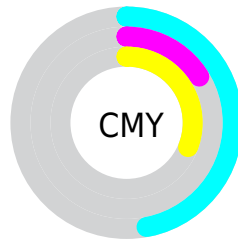
- Red (53%)
- Green (84%)
- Blue (69%)



- Red (53%)
- Yellow (73%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (16%)





- Cyan (47%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5017, 0.2829, 0.3794 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 56.5017, 0.2829, 0.3794 by changing the saturation by 10% instead.


 56.5017, 0.2829,
0.3794


 56.5017, 0.2829,
0.3794


411.5795, 0.2977,
0.3542

 40.6053, 0.2792,
0.3857


 99.7377, 0.2883,
0.3702

 28.0108, 0.2745,
0.3938


 127.8462, 0.2903,
0.3668

 18.3338, 0.2683,
0.4046


 160.7941, 0.2920,
0.3639

 11.1899, 0.2597,
0.4197

198.9658, 0.2935,
0.3614

 6.1947, 0.2470,
0.4422

242.7459, 0.2947,
0.3592

 2.9638, 0.2265,
0.4790

292.5186, 0.2959,

 1.1129, 0.1420,

0.3573

0.6141

348.6683, 0.2968,
0.3556

0.0000, 0.0000,
0.0000

56.5017, 0.2829,
0.3794

56.5017, 0.2829,
0.3794

54.4988, 0.2765,
0.3962

58.8970, 0.2904,
0.3638

52.8593, 0.2714,
0.4141

61.6979, 0.2985,
0.3495

51.5611, 0.2679,
0.4325


64.9257, 0.3071,
0.3366

50.5767, 0.2664,
0.4512

68.5979, 0.3158,
0.3251

49.8742, 0.2669,
0.4696


72.7312, 0.3245,
0.3149

 49.4130, 0.2693,
0.4873

 75.5242, 0.3263,
0.3054

 49.2827, 0.2704,
0.4934

 76.1367, 0.3193,
0.2956

 76.5791, 0.3146,
0.2891

Harmonies

Analogous

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



56.5017, 0.3262, 0.4058



56.5017, 0.2829, 0.3794



56.5017, 0.2492, 0.3370

Triad

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



56.5017, 0.2829, 0.3794



56.5017, 0.2570, 0.2575



56.5017, 0.4002, 0.3522

Complementary

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



56.5017, 0.2829, 0.3794



34.9053, 0.3586, 0.2840

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.



56.5017, 0.3793, 0.3166



56.5017, 0.2829, 0.3794



56.5017, 0.2943, 0.2642

Square

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



56.5017, 0.2829, 0.3794



56.5017, 0.2353, 0.2679



56.5017, 0.3394, 0.2853



56.5017, 0.3954, 0.3852

Rectangle

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



56.5017, 0.2829, 0.3794



56.5017, 0.2359, 0.3084



56.5017, 0.3394, 0.2853



56.5017, 0.3960, 0.3402

Sweetspot

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



56.5040, 0.2829, 0.3794



94.2361, 0.3031, 0.3424



58.8368, 0.3350, 0.4297



20.0304, 0.3019, 0.3442



0.0000, 0.0000, 0.0000



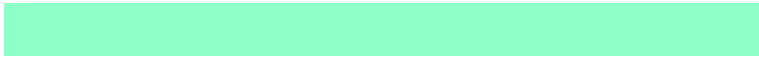
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.5040, 0.2829, 0.3794



81.5984, 0.2777, 0.3927



57.5284, 0.2616, 0.3272



14.0041, 0.3045, 0.3403



29.8057, 0.2697, 0.4909



1.8144, 0.2612, 0.4605

Inverse Universe

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



34.9053, 0.3586, 0.2840



44.8287, 0.3731, 0.2742



34.0353, 0.4001, 0.3309



12.5178, 0.3218, 0.3180



9.2344, 0.5058, 0.2560



0.5736, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 56.5017, 0.2829, 0.3794 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 56.5017, 0.2829, 0.3794 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 56.5017, 0.2829, 0.3794

Background



This preview shows how black text looks on a background with the Yxy color 56.5017, 0.2829, 0.3794.



This preview shows how white text looks on a background with the Yxy color 56.5017, 0.2829, 0.3794.

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

56.5017, 0.2829, 0.3794

Protanopia

56.0251, 0.3429, 0.3641

Deuteranopia

55.7339, 0.3459, 0.3383



Tritanopia

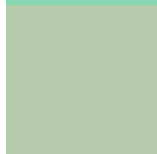
56.2105, 0.2614, 0.3074

Trichromacy



Original Color

56.5017, 0.2829, 0.3794



Protanomaly

55.4759, 0.3185, 0.3699



Deuteranomaly

55.2185, 0.3203, 0.3527



Tritanomaly

56.4378, 0.2691, 0.3328

Monochromacy



Original Color

56.5017, 0.2829, 0.3794



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.2236, 0.3002, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5017, 0.2829, 0.3794 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(136, 214, 177)` looks like.

```
.text, #text, p{  
    color:rgb(136, 214, 177)  
}
```

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(136, 214, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 214, 177) }
```

Border

The CSS property to change the border of an element to Yxy 56.5017, 0.2829, 0.3794 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(136, 214, 177) }
```

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

```
.border{ border-color:rgb(136, 214, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 214, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 214, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 214, 177);  
box-shadow:4px 4px 4px 4px rgb(136, 214,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5017, 0.2829, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 214, 177) }
```

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

```
.background{ background-color: rgb(136,  
214, 177) }
```

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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