

Converting Colors

$Yxy(56.7274, 0.3072, 0.4312)$

Have a look what the booklet for
Yxy(56.7274, 0.3072, 0.4312)
contains.

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Color

Yxy(56.7274, 0.3073, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	8DD88E
RGB	141, 216, 142
RGB Percent	55%, 85%, 56%
CMY	0.4469, 0.1530, 0.4432
CMYK	0.35, 0.00, 0.34, 0.15
HSL	121°, 49%, 70%
HSV	121°, 35%, 85%
XYZ	40.4275, 56.7274, 34.4022
YIQ	185.1390, -20.9460, -38.9140

Conversions

Conversions Part 2

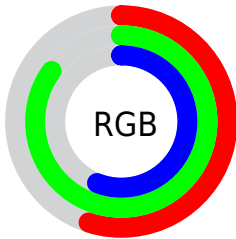
Format	Color
RYB	141, 215, 216
Decimal	9296014
CIELab	80.03, -37.88, 29.34
CIElCh	80, 47.916, 142.238
Yxy	56.7274, 0.3073, 0.4312
Android (android.graphics.Color)	4287486094 (0xFF8DD88E)
YUV	185.1390, -21.2675, -38.7099
Hunter-Lab	75.3176, -35.9941, 25.6409

Details

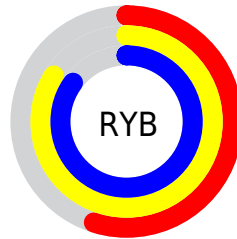
The Yxy color **56.7274, 0.3073, 0.4312** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.5717, 0.3176, 0.2444**, and the grayscale version is **48.7322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3758, 0.3103, 0.3943**, and **28.2713, 0.3033, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **54.4361, 0.3055, 0.4665**, and if you desaturate by 10%, it is **59.5153, 0.3090, 0.3979**.

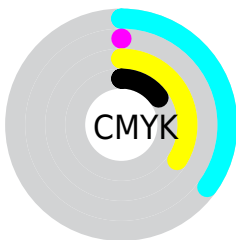
Distribution



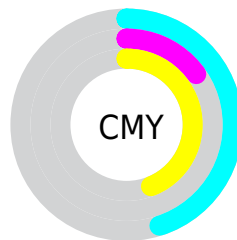
- Red (55%)
- Green (85%)
- Blue (56%)



- Red (55%)
- Yellow (84%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7274, 0.3073, 0.4312 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 56.7274, 0.3073, 0.4312 by changing the saturation by 10% instead.


 56.7274, 0.3073,
0.4312

 56.7274, 0.3073,
0.4312

412.4271, 0.3115,
0.3790

 40.7864, 0.3057,
0.4445

 100.0673, 0.3092,
0.4120

 28.1522, 0.3035,
0.4616


 128.2350, 0.3098,
0.4049

 18.4404, 0.2999,
0.4844


161.2472, 0.3103,
0.3989

 11.2667, 0.2941,
0.5162

199.4880, 0.3107,
0.3937

 6.2465, 0.2834,
0.5631

243.3420, 0.3109,
0.3893

 2.9955, 0.2682,
0.6528

293.1936, 0.3112,

 1.1294, 0.1034,

0.3854

0.8966

349.4272, 0.3114,
0.3820

0.0029, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.7274, 0.3073,
0.4312

56.7274, 0.3073,
0.4312

54.4361, 0.3055,
0.4665

59.5153, 0.3090,
0.3979

52.6057, 0.3038,
0.5019


62.8190, 0.3106,
0.3675

51.2071, 0.3023,
0.5351


66.6652, 0.3121,
0.3405

50.2048, 0.3011,
0.5632


71.0768, 0.3134,
0.3169

 49.5579, 0.3003,
0.5838

 76.0753, 0.3145,
0.2966

 49.2164, 0.3000,
0.5958

 77.5905, 0.3145,
0.2910

 49.1164, 0.2998,
0.5994

Harmonies

Analogous

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



56.7274, 0.3680, 0.4428



56.7274, 0.3073, 0.4312



56.7274, 0.2512, 0.3809

Triad

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



56.7274, 0.3073, 0.4312



56.7274, 0.2145, 0.2366



56.7274, 0.4217, 0.3269

Complementary

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



56.7274, 0.3073, 0.4312



38.5717, 0.3176, 0.2444

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.



56.7274, 0.3721, 0.2826



56.7274, 0.3073, 0.4312



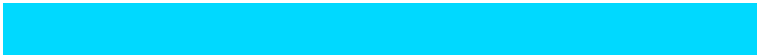
56.7274, 0.2514, 0.2325

Square

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



56.7274, 0.3073, 0.4312



56.7274, 0.2015, 0.2644



56.7274, 0.3081, 0.2492



56.7274, 0.4377, 0.3750

Rectangle

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



56.7274, 0.3073, 0.4312



56.7274, 0.2236, 0.3373



56.7274, 0.3081, 0.2492



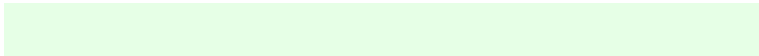
56.7274, 0.4082, 0.3114

Sweetspot

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



56.7298, 0.3073, 0.4312



93.9633, 0.3113, 0.3546



65.6335, 0.3647, 0.4150



19.9447, 0.3111, 0.3585



0.0000, 0.0000, 0.0000



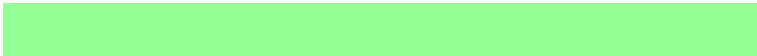
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7298, 0.3073, 0.4312



79.9841, 0.3059, 0.4583



58.0127, 0.2853, 0.3793



13.8985, 0.3114, 0.3528



29.0739, 0.2998, 0.5991



1.7545, 0.2990, 0.5964

Inverse Universe

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



38.5717, 0.3176, 0.2444



49.5427, 0.3187, 0.2267



36.8976, 0.3536, 0.2840



12.6299, 0.3140, 0.3063



11.4951, 0.3240, 0.1559



0.6942, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 56.7274, 0.3073, 0.4312 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 56.7274, 0.3073, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

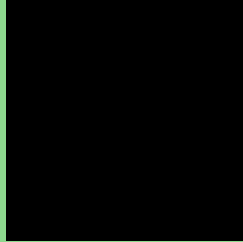
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7274, 0.3073, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 56.7274, 0.3073, 0.4312.

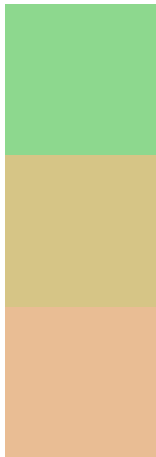


This preview shows how white text looks on a background with the Yxy color 56.7274, 0.3073, 0.4312.

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

56.7274, 0.3073, 0.4312

Protanopia

55.9499, 0.3753, 0.4038

Deuteranopia

55.8569, 0.3841, 0.3754



Tritanopia

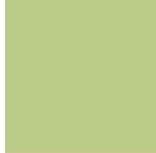
56.5382, 0.2672, 0.3076

Trichromacy



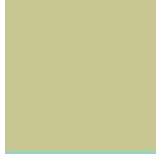
Original Color

56.7274, 0.3073, 0.4312



Protanomaly

55.5567, 0.3475, 0.4143



Deuteranomaly

55.2015, 0.3534, 0.3946



Tritanomaly

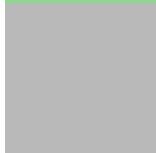
56.5675, 0.2817, 0.3499

Monochromacy



Original Color

56.7274, 0.3073, 0.4312



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.7794, 0.3110, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7274, 0.3073, 0.4312 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(141, 216, 142)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 142)  
}
```

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(141, 216, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 142) }
```

Border

The CSS property to change the border of an element to Yxy 56.7274, 0.3073, 0.4312 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(141, 216, 142) }
```

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

```
.border{ border-color:rgb(141, 216, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 216, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 216, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 216, 142); box-shadow:4px 4px 4px 4px rgb(141, 216, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7274, 0.3073, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 142) }
```

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

```
.background{ background-color: rgb(141,  
216, 142) }
```

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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