

Converting Colors

Yxy(56.5736, 0.3100, 0.4293)

Have a look what the booklet for
Yxy(56.5736, 0.3100, 0.4293)
contains.

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Color

Yxy(56.5736, 0.3100, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	91D78E
RGB	145, 215, 142
RGB Percent	57%, 84%, 56%
CMY	0.4316, 0.1568, 0.4432
CMYK	0.33, 0.00, 0.34, 0.16
HSL	118°, 48%, 70%
HSV	118°, 34%, 84%
XYZ	40.8521, 56.5736, 34.3553
YIQ	185.7480, -18.2870, -37.5430

Conversions

Conversions Part 2

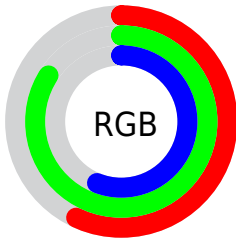
Format	Color
RYB	142, 215, 212
Decimal	9557902
CIELab	79.94, -36.19, 29.25
CIElCh	80, 46.539, 141.052
Yxy	56.5736, 0.3100, 0.4293
Android (android.graphics.Color)	4287747982 (0xFF91D78E)
YUV	185.7480, -21.5678, -35.7360
Hunter-Lab	75.2154, -34.6774, 25.5696

Details

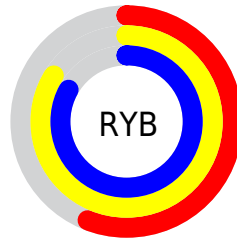
The Yxy color **56.5736, 0.3100, 0.4293** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2588, 0.3139, 0.2445**, and the grayscale version is **49.0794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9230, 0.3127, 0.3938**, and **28.1211, 0.3066, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **54.2848, 0.3087, 0.4645**, and if you desaturate by 10%, it is **59.3321, 0.3110, 0.3960**.

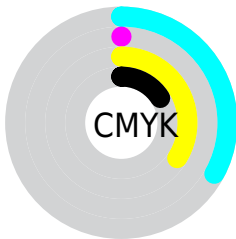
Distribution



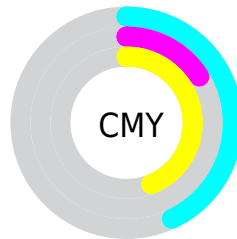
- Red (57%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (83%)



- Cyan (33%)
- Magenta (0%)
- Yellow (34%)
- Black (16%)




- Cyan (43%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5736, 0.3100, 0.4293 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 56.5736, 0.3100, 0.4293 by changing the saturation by 10% instead.


 56.5736, 0.3100,
0.4293


 56.5736, 0.3100,
0.4293

411.8496, 0.3129,
0.3781

 40.6630, 0.3088,
0.4423


 99.8427, 0.3114,
0.4105

 28.0559, 0.3070,
0.4590


 127.9701, 0.3118,
0.4035

 18.3678, 0.3040,
0.4813


160.9384, 0.3121,
0.3976

 11.2143, 0.2990,
0.5124

199.1322, 0.3124,
0.3926

 6.2112, 0.2895,
0.5581

242.9359, 0.3126,
0.3882

 2.9739, 0.2763,
0.6459

292.7337, 0.3127,

 1.1181, 0.1267,

0.3844

0.8733

348.9101, 0.3128,
0.3811

0.0000, 0.0000,
0.0000

56.5736, 0.3100,
0.4293

56.5736, 0.3100,
0.4293

54.2848, 0.3087,
0.4645

59.3321, 0.3110,
0.3960

52.4330, 0.3073,
0.4999

62.5767, 0.3119,
0.3657

50.9923, 0.3057,
0.5332

66.3320, 0.3125,
0.3387

49.9314, 0.3040,
0.5616

70.6187, 0.3130,
0.3151

49.2144, 0.3024,
0.5827

75.4562, 0.3133,
0.2947

■ 48.7985, 0.3011,
0.5952

■ 77.0885, 0.3145,
0.2901

■ 48.6645, 0.3007,
0.5994

Harmonies

Analogous

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



56.5736, 0.3689, 0.4393



56.5736, 0.3100, 0.4293



56.5736, 0.2548, 0.3818

Triad

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



56.5736, 0.3100, 0.4293



56.5736, 0.2160, 0.2396



56.5736, 0.4173, 0.3254

Complementary

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



56.5736, 0.3100, 0.4293



38.2588, 0.3139, 0.2445

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.



56.5736, 0.3681, 0.2823



56.5736, 0.3100, 0.4293



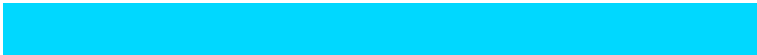
56.5736, 0.2512, 0.2346

Square

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



56.5736, 0.3100, 0.4293



56.5736, 0.2042, 0.2678



56.5736, 0.3058, 0.2502



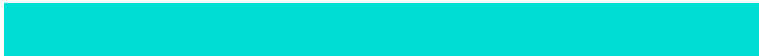
56.5736, 0.4344, 0.3723

Rectangle

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



56.5736, 0.3100, 0.4293



56.5736, 0.2273, 0.3397



56.5736, 0.3058, 0.2502



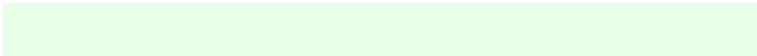
56.5736, 0.4038, 0.3102

Sweetspot

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



56.5760, 0.3100, 0.4293



94.1159, 0.3121, 0.3549



63.1718, 0.3649, 0.4095



19.9812, 0.3120, 0.3588



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.



56.5760, 0.3100, 0.4293



80.6726, 0.3091, 0.4554



57.4483, 0.2880, 0.3832



13.9196, 0.3122, 0.3531



29.1137, 0.3009, 0.5993



1.7646, 0.3039, 0.5969

Inverse Universe

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



38.2588, 0.3139, 0.2445



49.6448, 0.3139, 0.2267



37.1779, 0.3486, 0.2808



12.6060, 0.3132, 0.3060



10.8220, 0.3109, 0.1486



0.6608, 0.3127, 0.1496

Previews

White Background



This preview shows how the Yxy color 56.5736, 0.3100, 0.4293 looks on a white background.

Color Contrast Check

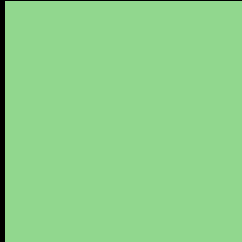
Large Text (above 18pt) WCAG AA × Fail

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 56.5736, 0.3100, 0.4293 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 56.5736, 0.3100, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 56.5736, 0.3100, 0.4293.



This preview shows how white text looks on a background with the Yxy color 56.5736, 0.3100, 0.4293.

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

56.5736, 0.3100, 0.4293

Protanopia

55.9779, 0.3745, 0.4026

Deuteranopia

55.8569, 0.3841, 0.3754



Tritanopia

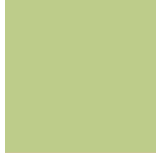
56.4102, 0.2701, 0.3077

Trichromacy



Original Color

56.5736, 0.3100, 0.4293



Protanomaly

55.8395, 0.3485, 0.4126



Deuteranomaly

54.8810, 0.3545, 0.3933



Tritanomaly

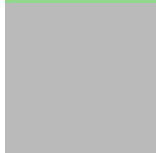
56.4197, 0.2849, 0.3498

Monochromacy



Original Color

56.5736, 0.3100, 0.4293



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.4927, 0.3118, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5736, 0.3100, 0.4293 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(145, 215, 142)` looks like.

```
.text, #text, p{  
    color:rgb(145, 215, 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(145, 215, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 215, 142) }
```

Border

The CSS property to change the border of an element to Yxy 56.5736, 0.3100, 0.4293 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(145, 215, 142) }
```

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

```
.border{ border-color:rgb(145, 215, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 215, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 215, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 215, 142);  
box-shadow:4px 4px 4px 4px rgb(145, 215,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5736, 0.3100, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 215, 142) }
```

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

```
.background{ background-color: rgb(145,  
215, 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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