

Converting Colors

$Yxy(57.1479, 0.3094, 0.4309)$

Have a look what the booklet for
Yxy(57.1479, 0.3094, 0.4309)
contains.

Yxy(56.9940, 0.3093, 0.4306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.9940, 0.3093, 0.4306)

Conversions

Conversions Part 1

Format	Color
Hex	90D88E
RGB	144, 216, 142
RGB Percent	56%, 85%, 56%
CMY	0.4353, 0.1529, 0.4432
CMYK	0.33, 0.00, 0.34, 0.15
HSL	118°, 49%, 70%
HSV	118°, 34%, 85%
XYZ	40.9388, 56.9940, 34.4267
YIQ	186.0360, -19.1580, -38.2780

Conversions

Conversions Part 2

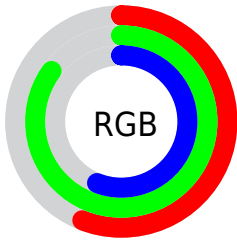
Format	Color
RYB	142, 216, 214
Decimal	9492622
CIELab	80.18, -36.95, 29.57
CIElCh	80, 47.325, 141.331
Yxy	56.9940, 0.3093, 0.4306
Android (android.graphics.Color)	4287682702 (0xFF90D88E)
YUV	186.0360, -21.7097, -36.8656
Hunter-Lab	75.4944, -35.3189, 25.8088

Details

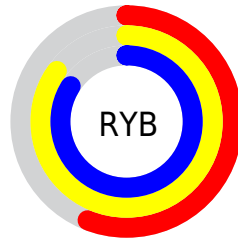
The Yxy color **56.9940, 0.3093, 0.4306** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.5932, 0.3148, 0.2440**, and the grayscale version is **49.2564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7849, 0.3121, 0.3940**, and **28.4187, 0.3057, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **54.6901, 0.3079, 0.4660**, and if you desaturate by 10%, it is **59.7805, 0.3105, 0.3972**.

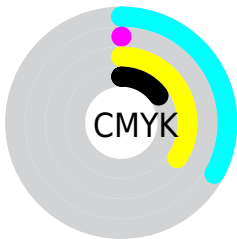
Distribution



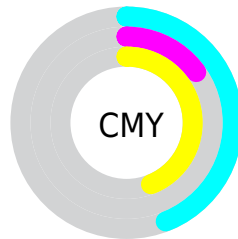
- Red (56%)
- Green (85%)
- Blue (56%)



- Red (56%)
- Yellow (85%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9940, 0.3093, 0.4306 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 56.9940, 0.3093, 0.4306 by changing the saturation by 10% instead.


 56.9940, 0.3093,
0.4306

 56.9940, 0.3093,
0.4306

413.4268, 0.3126,
0.3788

 41.0004, 0.3080,
0.4437


 100.4564, 0.3108,
0.4116

 28.3194, 0.3060,
0.4606


 128.6941, 0.3113,
0.4045

 18.5666, 0.3029,
0.4832


161.7819, 0.3117,
0.3985

 11.3575, 0.2976,
0.5146

200.1042, 0.3119,
0.3934

 6.3078, 0.2878,
0.5606

244.0455, 0.3122,
0.3890

 3.0332, 0.2737,
0.6483

293.9901, 0.3123,

 1.1491, 0.1281,

0.3852

0.8719

350.3224, 0.3125,
0.3818

0.0195, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.9940, 0.3093,
0.4306

56.9940, 0.3093,
0.4306

54.6901, 0.3079,
0.4660

59.7805, 0.3105,
0.3972

52.8347, 0.3063,
0.5015


63.0672, 0.3116,
0.3667


51.4008, 0.3047,
0.5347


66.8795, 0.3124,
0.3395

50.3552, 0.3032,
0.5629


71.2391, 0.3131,
0.3158

 49.6602, 0.3018,
0.5837

 76.1663, 0.3136,
0.2953

 49.2700, 0.3008,
0.5957

 77.5945, 0.3145,
0.2910

 49.1526, 0.3005,
0.5996

Harmonies

Analogous

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



56.9940, 0.3690, 0.4410



56.9940, 0.3093, 0.4306



56.9940, 0.2535, 0.3820

Triad

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



56.9940, 0.3093, 0.4306



56.9940, 0.2150, 0.2383



56.9940, 0.4191, 0.3257

Complementary

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



56.9940, 0.3093, 0.4306



38.5932, 0.3148, 0.2440

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.



56.9940, 0.3695, 0.2821



56.9940, 0.3093, 0.4306



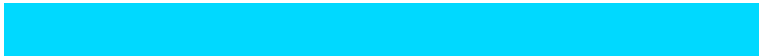
56.9940, 0.2508, 0.2335

Square

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



56.9940, 0.3093, 0.4306



56.9940, 0.2029, 0.2665



56.9940, 0.3063, 0.2494



56.9940, 0.4361, 0.3732

Rectangle

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



56.9940, 0.3093, 0.4306



56.9940, 0.2258, 0.3392



56.9940, 0.3063, 0.2494



56.9940, 0.4055, 0.3103

Sweetspot

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



56.9964, 0.3093, 0.4306



94.0605, 0.3119, 0.3549



64.4119, 0.3649, 0.4114



19.9679, 0.3118, 0.3588



0.0000, 0.0000, 0.0000



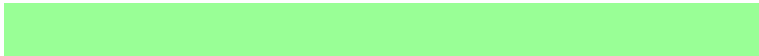
21.4041, 0.3127, 0.3290

Same Dimension

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



56.9964, 0.3093, 0.4306



80.5382, 0.3083, 0.4557



58.0193, 0.2871, 0.3820



13.9119, 0.3120, 0.3531



29.0992, 0.3006, 0.5995



1.7609, 0.3027, 0.5979

Inverse Universe

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



38.5932, 0.3148, 0.2440



49.8999, 0.3151, 0.2271



37.2958, 0.3503, 0.2817



12.6146, 0.3134, 0.3060



11.0622, 0.3142, 0.1504



0.6728, 0.3154, 0.1511

Previews

White Background



This preview shows how the Yxy color 56.9940, 0.3093, 0.4306 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 56.9940, 0.3093, 0.4306 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 56.9940, 0.3093, 0.4306

Background



This preview shows how black text looks on a background with the Yxy color 56.9940, 0.3093, 0.4306.



This preview shows how white text looks on a background with the Yxy color 56.9940, 0.3093, 0.4306.

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

56.9940, 0.3093, 0.4306

Protanopia

56.4055, 0.3749, 0.4049

Deuteranopia

56.4575, 0.3845, 0.3763



Tritanopia

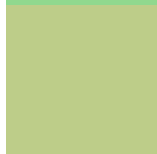
56.8413, 0.2690, 0.3078

Trichromacy



Original Color

56.9940, 0.3093, 0.4306



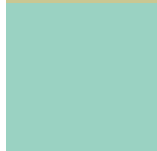
Protanomaly

56.2876, 0.3489, 0.4149



Deuteranomaly

55.3397, 0.3542, 0.3945



Tritanomaly

56.8583, 0.2837, 0.3498

Monochromacy



Original Color

56.9940, 0.3093, 0.4306



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 56.9940, 0.3093, 0.4306 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(144, 216, 142)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 216, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 216, 142) }
```

Border

The CSS property to change the border of an element to Yxy 56.9940, 0.3093, 0.4306 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(144, 216, 142) }
```

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

```
.border{ border-color:rgb(144, 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(144, 216, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 216, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 216, 142);  
box-shadow:4px 4px 4px 4px rgb(144, 216,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9940, 0.3093, 0.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 216, 142) }
```

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

```
.background{ background-color: rgb(144,  
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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