

Converting Colors

Yxy(56.1299, 0.3112, 0.4250)

Have a look what the booklet for
Yxy(56.1299, 0.3112, 0.4250)
contains.

Yxy(56.3722, 0.3116, 0.4261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.3722, 0.3116, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	94D68F
RGB	148, 214, 143
RGB Percent	58%, 84%, 56%
CMY	0.4194, 0.1608, 0.4391
CMYK	0.31, 0.00, 0.33, 0.16
HSL	116°, 46%, 70%
HSV	116°, 33%, 84%
XYZ	41.2241, 56.3722, 34.7018
YIQ	186.1720, -16.5450, -36.0730

Conversions

Conversions Part 2

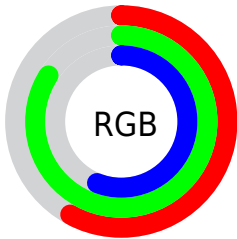
Format	Color
RYB	143, 214, 209
Decimal	9754255
CIELab	79.83, -34.56, 28.60
CIELCh	80, 44.862, 140.390
Yxy	56.3722, 0.3116, 0.4261
Android (android.graphics.Color)	4287944335 (0xFF94D68F)
YUV	186.1720, -21.2838, -33.4768
Hunter-Lab	75.0814, -33.3856, 25.1538

Details

The Yxy color **56.3722, 0.3116, 0.4261** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.0568, 0.3118, 0.2460**, and the grayscale version is **49.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3886, 0.3140, 0.3923**, and **28.0019, 0.3094, 0.4547** is the 20% darker color. If you saturate the color by 10%, you get **54.0881, 0.3107, 0.4609**, and if you desaturate by 10%, it is **59.1033, 0.3122, 0.3933**.

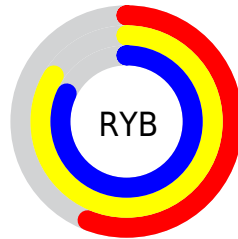
Distribution



Red (58%)

Green (84%)

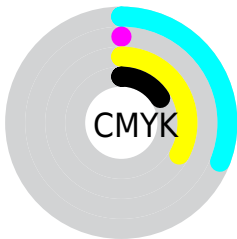
Blue (56%)



Red (56%)

Yellow (84%)

Blue (82%)

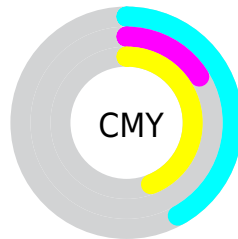


Cyan (31%)

Magenta (0%)

Yellow (33%)

Black (16%)



Cyan (42%)

Magenta (16%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3722, 0.3116, 0.4261 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 56.3722, 0.3116, 0.4261 by changing the saturation by 10% instead.


 56.3722, 0.3116,
0.4261

 56.3722, 0.3116,
0.4261


411.0927, 0.3136,
0.3766

 40.5014, 0.3106,
0.4386


 99.5486, 0.3127,
0.4080

 27.9297, 0.3091,
0.4548


 127.6229, 0.3130,
0.4012

 18.2727, 0.3066,
0.4763


160.5340, 0.3132,
0.3955

 11.1459, 0.3022,
0.5063

198.6660, 0.3133,
0.3906

 6.1651, 0.2938,
0.5505

242.4035, 0.3134,
0.3864

 2.9457, 0.2819,
0.6342

292.1309, 0.3135,

 1.1035, 0.1470,

0.3827

0.8530

348.2325, 0.3136,
0.3795

0.0000, 0.0000,
0.0000

56.3722, 0.3116,
0.4261

56.3722, 0.3116,
0.4261

54.0881, 0.3107,
0.4609

59.1033, 0.3122,
0.3933

52.2206, 0.3094,
0.4961

62.2960, 0.3126,
0.3634

50.7465, 0.3079,
0.5294

65.9727, 0.3127,
0.3367

49.6376, 0.3060,
0.5582

70.1525, 0.3127,
0.3134

48.8619, 0.3041,
0.5801

74.8533, 0.3126,
0.2931

■ 48.3816, 0.3022,
0.5937

■ 76.5708, 0.3146,
0.2891

■ 48.1936, 0.3013,
0.5990

Harmonies

Analogous

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



56.3722, 0.3685, 0.4352



56.3722, 0.3116, 0.4261



56.3722, 0.2579, 0.3811

Triad

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



56.3722, 0.3116, 0.4261



56.3722, 0.2185, 0.2428



56.3722, 0.4128, 0.3247

Complementary

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



56.3722, 0.3116, 0.4261



38.0568, 0.3118, 0.2460

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.



56.3722, 0.3650, 0.2830



56.3722, 0.3116, 0.4261



56.3722, 0.2522, 0.2374

Square

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



56.3722, 0.3116, 0.4261



56.3722, 0.2076, 0.2709



56.3722, 0.3049, 0.2521



56.3722, 0.4303, 0.3703

Rectangle

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



56.3722, 0.3116, 0.4261



56.3722, 0.2308, 0.3408



56.3722, 0.3049, 0.2521



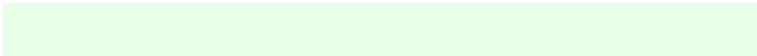
56.3722, 0.3996, 0.3100

Sweetspot

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



56.3746, 0.3116, 0.4261



94.2448, 0.3126, 0.3549



61.4304, 0.3645, 0.4051



20.0120, 0.3126, 0.3588



0.0000, 0.0000, 0.0000



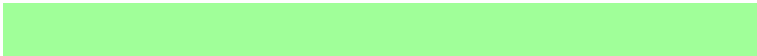
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3746, 0.3116, 0.4261



81.3162, 0.3110, 0.4511



56.9336, 0.2900, 0.3850



13.9375, 0.3126, 0.3530



29.1480, 0.3017, 0.5987



1.7731, 0.3068, 0.5946

Inverse Universe

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



38.0568, 0.3118, 0.2460



49.9187, 0.3113, 0.2283



37.4247, 0.3451, 0.2792



12.5859, 0.3127, 0.3060



10.2806, 0.3033, 0.1445



0.6338, 0.3065, 0.1462

Previews

White Background



This preview shows how the Yxy color 56.3722, 0.3116, 0.4261 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 56.3722, 0.3116, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

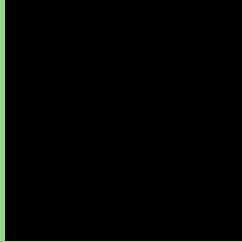
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3722, 0.3116, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 56.3722, 0.3116, 0.4261.

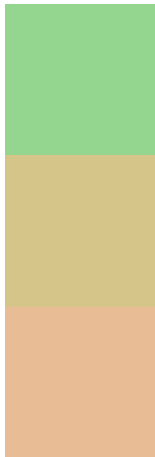


This preview shows how white text looks on a background with the Yxy color 56.3722, 0.3116, 0.4261.

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

56.3722, 0.3116, 0.4261

Protanopia

55.8562, 0.3729, 0.4017

Deuteranopia

55.7209, 0.3824, 0.3744



Tritanopia

56.0876, 0.2718, 0.3077

Trichromacy



Original Color

56.3722, 0.3116, 0.4261

Protanomaly

55.3948, 0.3481, 0.4102

Deuteranomaly

54.9123, 0.3538, 0.3921

Tritanomaly

56.1301, 0.2861, 0.3485

Monochromacy



Original Color

56.3722, 0.3116, 0.4261

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

51.1528, 0.3127, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3722, 0.3116, 0.4261 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(148, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(148, 214, 143)  
}
```

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(148, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 214, 143) }
```

Border

The CSS property to change the border of an element to Yxy 56.3722, 0.3116, 0.4261 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(148, 214, 143) }
```

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

```
.border{ border-color:rgb(148, 214, 143) }
```

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

Here you see how a box with a 4 pixel rgb(148, 214, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(148, 214,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3722, 0.3116, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 214, 143) }
```

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

```
.background{ background-color: rgb(148,  
214, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor