

Converting Colors

$Yxy(47.7025, 0.3183, 0.4308)$

Have a look what the booklet for
Yxy(47.7025, 0.3183, 0.4308)
contains.

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Color

Yxy(47.6975, 0.3183, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	8EC680
RGB	142, 198, 128
RGB Percent	56%, 78%, 50%
CMY	0.4433, 0.2235, 0.4979
CMYK	0.28, 0.00, 0.35, 0.22
HSL	108°, 38%, 64%
HSV	108°, 35%, 78%
XYZ	35.2417, 47.6975, 27.7793
YIQ	173.2760, -10.9060, -33.6420

Conversions

Conversions Part 2

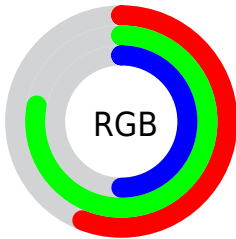
Format	Color
RYB	128, 198, 184
Decimal	9356928
CIELab	74.63, -31.46, 29.42
CIELCh	75, 43.069, 136.920
Yxy	47.6975, 0.3183, 0.4308
Android (android.graphics.Color)	4287547008 (0xFF8EC680)
YUV	173.2760, -22.3211, -27.4291
Hunter-Lab	69.0634, -29.7759, 24.4962

Details

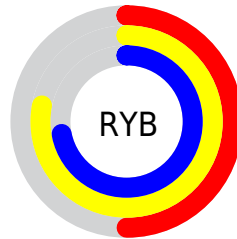
The Yxy color **47.6975, 0.3183, 0.4308** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.7226, 0.3026, 0.2385**, and the grayscale version is **42.0555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7265, 0.3185, 0.4115**, and **22.6204, 0.3167, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **45.9239, 0.3188, 0.4643**, and if you desaturate by 10%, it is **49.7765, 0.3172, 0.3987**.

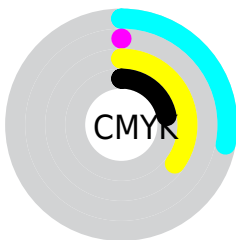
Distribution



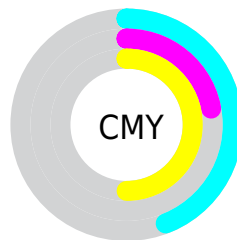
- Red (56%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (72%)



- Cyan (28%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)



- Cyan (44%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6975, 0.3183, 0.4308 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 47.6975, 0.3183, 0.4308 by changing the saturation by 10% instead.

 47.6975, 0.3183,
0.4308


 47.6975, 0.3183,
0.4308


377.5918, 0.3171,
0.3776


 33.5874, 0.3180,
0.4447


 86.7538, 0.3183,
0.4110

 22.5768, 0.3172,
0.4629


 112.4689, 0.3182,
0.4037

 14.2813, 0.3154,
0.4876


 142.8210, 0.3180,
0.3976

 8.3166, 0.3114,
0.5227

178.1946, 0.3178,
0.3924

 4.2982, 0.3021,
0.5757

218.9741, 0.3176,
0.3879

 1.8417, 0.2953,
0.7047

265.5439, 0.3175,

 0.5130, 0.0000,

0.3840

1.0000

318.2883, 0.3173,
0.3806

0.0000, 0.0000,
0.0000

47.6975, 0.3183,
0.4308

47.6975, 0.3183,
0.4308

45.9239, 0.3188,
0.4643

49.7765, 0.3172,
0.3987

44.4353, 0.3185,
0.4977

52.1681, 0.3156,
0.3690

43.2181, 0.3173,
0.5291


54.8869, 0.3138,
0.3422


42.2553, 0.3150,
0.5562


57.9447, 0.3118,
0.3182

41.5278, 0.3119,
0.5770

61.3529, 0.3098,
0.2971

 41.0131, 0.3082,
0.5903

 65.1220, 0.3078,
0.2787

 40.8328, 0.3066,
0.5948

 68.4903, 0.3138,
0.2730

 68.8732, 0.3153,
0.2732

Harmonies

Analogous

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



47.6975, 0.3753, 0.4354



47.6975, 0.3183, 0.4308



47.6975, 0.2627, 0.3886

Triad

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



47.6975, 0.3183, 0.4308



47.6975, 0.2147, 0.2437



47.6975, 0.4101, 0.3194

Complementary

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



47.6975, 0.3183, 0.4308



29.7226, 0.3026, 0.2385

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.



47.6975, 0.3589, 0.2781



47.6975, 0.3183, 0.4308



47.6975, 0.2463, 0.2357

Square

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



47.6975, 0.3183, 0.4308



47.6975, 0.2065, 0.2748



47.6975, 0.2978, 0.2484



47.6975, 0.4318, 0.3654

Rectangle

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



47.6975, 0.3183, 0.4308



47.6975, 0.2337, 0.3482



47.6975, 0.2978, 0.2484



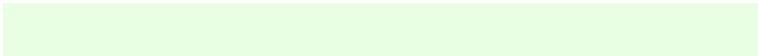
47.6975, 0.3955, 0.3047

Sweetspot

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



47.6995, 0.3183, 0.4308



94.3087, 0.3149, 0.3574



47.8532, 0.3709, 0.4004



20.0468, 0.3151, 0.3612



0.0000, 0.0000, 0.0000



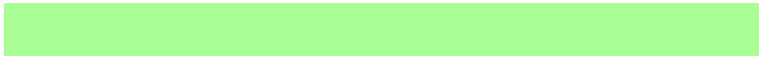
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6995, 0.3183, 0.4308



82.1147, 0.3187, 0.4551



47.1549, 0.2941, 0.4016



11.9878, 0.3145, 0.3527



26.5805, 0.3073, 0.5942



1.2895, 0.3214, 0.5830

Inverse Universe

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



29.7226, 0.3026, 0.2385



45.8062, 0.2996, 0.2198



30.6272, 0.3386, 0.2662



10.7059, 0.3107, 0.3060



7.4535, 0.2714, 0.1269



0.3809, 0.2823, 0.1329

Previews

White Background



This preview shows how the Yxy color 47.6975, 0.3183, 0.4308 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 47.6975, 0.3183, 0.4308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

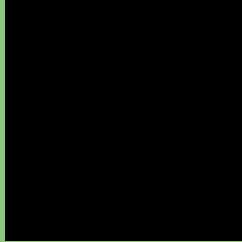
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6975, 0.3183, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 47.6975, 0.3183, 0.4308.



This preview shows how white text looks on a background with the Yxy color 47.6975, 0.3183, 0.4308.

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

47.6975, 0.3183, 0.4308

Protanopia

47.2779, 0.3762, 0.4067

Deuteranopia

47.1051, 0.3885, 0.3798



Tritanopia

47.7234, 0.2759, 0.3090

Trichromacy



Original Color

47.6975, 0.3183, 0.4308

Protanomaly

46.8867, 0.3542, 0.4154

Deuteranomaly

46.4528, 0.3615, 0.3973

Tritanomaly

47.3179, 0.2914, 0.3512

Monochromacy



Original Color

47.6975, 0.3183, 0.4308

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.5716, 0.3153, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6975, 0.3183, 0.4308 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(142, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(142, 198, 128)  
}
```

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(142, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 198, 128) }
```

Border

The CSS property to change the border of an element to Yxy 47.6975, 0.3183, 0.4308 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(142, 198, 128) }
```

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

```
.border{ border-color:rgb(142, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(142, 198,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6975, 0.3183, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 198, 128) }
```

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

```
.background{ background-color: rgb(142,  
198, 128) }
```

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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