

Converting Colors

$Yxy(50.7797, 0.3492, 0.4381)$

Have a look what the booklet for
Yxy(50.7797, 0.3492, 0.4381)
contains.

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Color

Yxy(50.8128, 0.3487, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	ABC776
RGB	171, 199, 118
RGB Percent	67%, 78%, 46%
CMY	0.3294, 0.2196, 0.5372
CMYK	0.14, 0.00, 0.41, 0.22
HSL	81°, 42%, 62%
HSV	81°, 41%, 78%
XYZ	40.4900, 50.8128, 24.8142
YIQ	181.3940, 9.3130, -31.1270

Conversions

Conversions Part 2

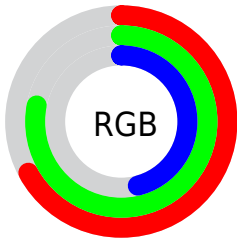
Format	Color
R _Y B	118, 199, 146
Decimal	11257718
CIE Lab	76.57, -22.77, 37.43
CIE LCh	77, 43.814, 121.314
Yxy	50.8128, 0.3487, 0.4376
Android (android.graphics.Color)	4289447798 (0xFFABC776)
YUV	181.3940, -31.2532, -9.1155
Hunter-Lab	71.2831, -23.3544, 29.2589

Details

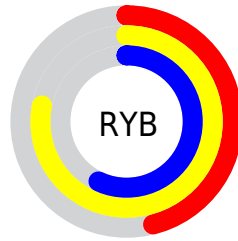
The Yxy color **50.8128, 0.3487, 0.4376** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.1922, 0.2632, 0.2131**, and the grayscale version is **46.6039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7912, 0.3436, 0.4171**, and **24.4501, 0.3547, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **49.6384, 0.3556, 0.4649**, and if you desaturate by 10%, it is **52.1317, 0.3406, 0.4097**.

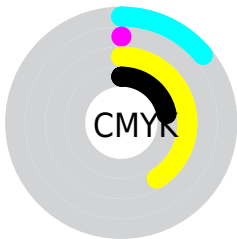
Distribution



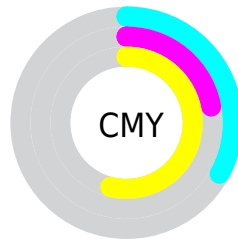
- Red (67%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8128, 0.3487, 0.4376 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 50.8128, 0.3487, 0.4376 by changing the saturation by 10% instead.


 50.8128, 0.3487,
0.4376


 50.8128, 0.3487,
0.4376

389.8360, 0.3328,
0.3824


 36.0596, 0.3518,
0.4514


 91.3780, 0.3435,
0.4175

 24.4803, 0.3553,
0.4690


 117.9588, 0.3414,
0.4099

 15.6903, 0.3589,
0.4920


 149.2510, 0.3395,
0.4035

 9.3052, 0.3618,
0.5230

185.6390, 0.3379,
0.3981

 4.9408, 0.3635,
0.5691

227.5070, 0.3364,
0.3934

 2.2126, 0.3585,
0.6415

275.2396, 0.3351,

 0.7268, 0.1566,

0.3892

0.8434

329.2212, 0.3339,
0.3856

0.0000, 0.0000,
0.0000

50.8128, 0.3487,
0.4376

50.8128, 0.3487,
0.4376

49.6384, 0.3556,
0.4649

52.1317, 0.3406,
0.4097

48.5947, 0.3609,
0.4904

53.5948, 0.3317,
0.3821

47.6765, 0.3640,
0.5127


55.2101, 0.3225,
0.3556

46.8750, 0.3647,
0.5309


56.9832, 0.3134,
0.3307


46.1799, 0.3629,
0.5442


58.9194, 0.3044,
0.3077

 45.6119, 0.3595,
0.5528

 61.0236, 0.2959,
0.2866

 63.1511, 0.2893,
0.2697

 64.2409, 0.2942,
0.2706

 65.3752, 0.2991,
0.2714

Harmonies

Analogous

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



50.8128, 0.3998, 0.4239



50.8128, 0.3487, 0.4376



50.8128, 0.2906, 0.4142

Triad

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



50.8128, 0.3487, 0.4376



50.8128, 0.2078, 0.2572



50.8128, 0.3858, 0.2970

Complementary

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



50.8128, 0.3487, 0.4376



23.1922, 0.2632, 0.2131

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.



50.8128, 0.3269, 0.2610



50.8128, 0.3487, 0.4376



50.8128, 0.2274, 0.2374

Square

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



50.8128, 0.3487, 0.4376



50.8128, 0.2123, 0.3001



50.8128, 0.2691, 0.2397



50.8128, 0.4245, 0.3413

Rectangle

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



50.8128, 0.3487, 0.4376



50.8128, 0.2558, 0.3799



50.8128, 0.2691, 0.2397



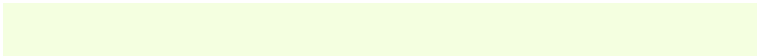
50.8128, 0.3673, 0.2837

Sweetspot

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



50.8150, 0.3487, 0.4376



96.2328, 0.3239, 0.3594



33.7025, 0.4001, 0.3649



20.5153, 0.3251, 0.3628



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.



50.8150, 0.3487, 0.4376



87.1034, 0.3550, 0.4623



47.0215, 0.3167, 0.4494



12.2265, 0.3213, 0.3522



29.3790, 0.3603, 0.5521



1.4301, 0.3729, 0.5422

Inverse Universe

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



23.1922, 0.2632, 0.2131



32.1090, 0.2491, 0.1846



27.4586, 0.3032, 0.2255



10.4627, 0.3036, 0.3055



3.5038, 0.1771, 0.0749



0.2062, 0.2013, 0.0882

Previews

White Background



This preview shows how the Yxy color 50.8128, 0.3487, 0.4376 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 50.8128, 0.3487, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

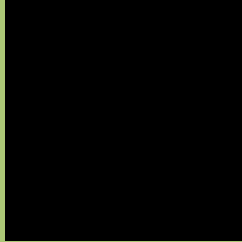
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8128, 0.3487, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 50.8128, 0.3487, 0.4376.



This preview shows how white text looks on a background with the Yxy color 50.8128, 0.3487, 0.4376.

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

50.8128, 0.3487, 0.4376

Protanopia

50.7319, 0.3869, 0.4204

Deuteranopia

50.3786, 0.4046, 0.3957



Tritanopia

50.6999, 0.2960, 0.3102

Trichromacy



Original Color

50.8128, 0.3487, 0.4376

Protanomaly

50.7152, 0.3725, 0.4278

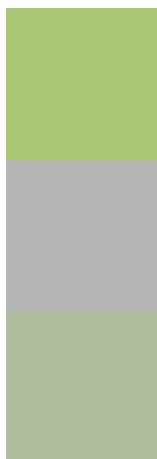
Deuteranomaly

50.1865, 0.3835, 0.4099

Tritanomaly

50.6220, 0.3155, 0.3552

Monochromacy



Original Color

50.8128, 0.3487, 0.4376

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.7822, 0.3268, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8128, 0.3487, 0.4376 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(171, 199, 118)` looks like.

```
.text, #text, p{  
    color:rgb(171, 199, 118)  
}
```

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(171, 199, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 199, 118) }
```

Border

The CSS property to change the border of an element to Yxy 50.8128, 0.3487, 0.4376 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(171, 199, 118) }
```

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

```
.border{ border-color:rgb(171, 199, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 199, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 199, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 199, 118);  
box-shadow:4px 4px 4px 4px rgb(171, 199,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8128, 0.3487, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 199, 118) }
```

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

```
.background{ background-color: rgb(171,  
199, 118) }
```

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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