

Converting Colors

$Yxy(45.8486, 0.3104, 0.3868)$

Have a look what the booklet for
Yxy(45.8486, 0.3104, 0.3868)
contains.

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Color

Yxy(46.0429, 0.3108, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	97BF96
RGB	151, 191, 150
RGB Percent	59%, 75%, 59%
CMY	0.4077, 0.2510, 0.4119
CMYK	0.21, 0.00, 0.21, 0.25
HSL	118°, 24%, 67%
HSV	118°, 21%, 75%
XYZ	36.9008, 46.0429, 35.7848
YIQ	174.3660, -10.6790, -21.2310

Conversions

Conversions Part 2

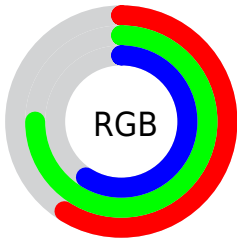
Format	Color
RYB	150, 191, 190
Decimal	9944982
CIELab	73.57, -21.34, 16.42
CIELCh	74, 26.921, 142.424
Yxy	46.0429, 0.3108, 0.3878
Android (android.graphics.Color)	4288135062 (0xFF97BF96)
YUV	174.3660, -12.0124, -20.4920
Hunter-Lab	67.8549, -21.6744, 16.2306

Details

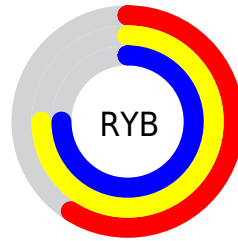
The Yxy color **46.0429, 0.3108, 0.3878** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5055, 0.3142, 0.2762**, and the grayscale version is **42.5954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0030, 0.3118, 0.3762**, and **21.4448, 0.3091, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **43.8364, 0.3096, 0.4202**, and if you desaturate by 10%, it is **48.6346, 0.3118, 0.3585**.

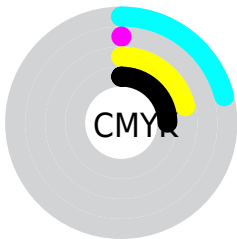
Distribution



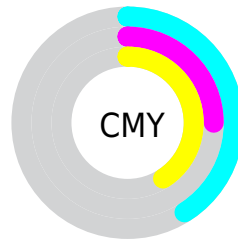
- Red (59%)
- Green (75%)
- Blue (59%)



- Red (59%)
- Yellow (75%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)





- Cyan (41%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0429, 0.3108, 0.3878 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 46.0429, 0.3108, 0.3878 by changing the saturation by 10% instead.


 46.0429, 0.3108,
0.3878


 46.0429, 0.3108,
0.3878


370.9811, 0.3123,
0.3573

 32.2797, 0.3102,
0.3958


 84.2832, 0.3115,
0.3765

 21.5752, 0.3094,
0.4062


 109.5291, 0.3117,
0.3723

 13.5451, 0.3081,
0.4204


139.3713, 0.3119,
0.3688

 7.8050, 0.3057,
0.4410

174.1942, 0.3120,
0.3658

 3.9704, 0.3012,
0.4732

214.3822, 0.3121,
0.3632

 1.6570, 0.2976,
0.5425

260.3198, 0.3122,

 0.3956, 0.0000,

0.3610

1.0000

312.3913, 0.3122,
0.3590

0.0000, 0.0000,
0.0000

46.0429, 0.3108,
0.3878

46.0429, 0.3108,
0.3878

43.8364, 0.3096,
0.4202

48.6346, 0.3118,
0.3585

41.9913, 0.3083,
0.4549

51.6224, 0.3126,
0.3326

40.4900, 0.3068,
0.4903

55.0241, 0.3133,
0.3099

39.3113, 0.3052,
0.5243

58.8546, 0.3138,
0.2904

38.4315, 0.3036,
0.5542

63.1282, 0.3142,
0.2736

■ 37.8238, 0.3022,
0.5775

■ 65.7413, 0.3157,
0.2663

■ 37.4566, 0.3010,
0.5925

■ 37.2931, 0.3005,
0.5996

Harmonies

Analogous

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



46.0429, 0.3480, 0.3969



46.0429, 0.3108, 0.3878



46.0429, 0.2756, 0.3594

Triad

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



46.0429, 0.3108, 0.3878



46.0429, 0.2512, 0.2717



46.0429, 0.3781, 0.3298

Complementary

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



46.0429, 0.3108, 0.3878



36.5055, 0.3142, 0.2762

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.



46.0429, 0.3491, 0.3006



46.0429, 0.3108, 0.3878



46.0429, 0.2755, 0.2679

Square

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



46.0429, 0.3108, 0.3878



46.0429, 0.2426, 0.2907



46.0429, 0.3110, 0.2785



46.0429, 0.3882, 0.3605

Rectangle

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



46.0429, 0.3108, 0.3878



46.0429, 0.2577, 0.3350



46.0429, 0.3110, 0.2785



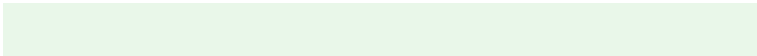
46.0429, 0.3701, 0.3196

Sweetspot

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



46.0449, 0.3108, 0.3878



89.8964, 0.3123, 0.3441



49.9451, 0.3450, 0.3802



19.6627, 0.3122, 0.3458



97.7402, 0.3127, 0.3290



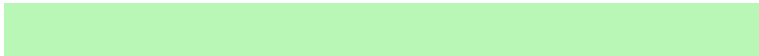
20.4902, 0.3127, 0.3290

Same Dimension

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



46.0449, 0.3108, 0.3878



80.4330, 0.3102, 0.4034



46.6119, 0.2962, 0.3598



10.6610, 0.3120, 0.3527



24.5142, 0.3007, 0.5995



0.9643, 0.3033, 0.5974

Inverse Universe

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



36.5055, 0.3142, 0.2762



60.1571, 0.3145, 0.2639



35.8536, 0.3334, 0.3002



9.6834, 0.3134, 0.3064



9.3443, 0.3146, 0.1507



0.3700, 0.3162, 0.1515

Previews

White Background



This preview shows how the Yxy color 46.0429, 0.3108, 0.3878 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 46.0429, 0.3108, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

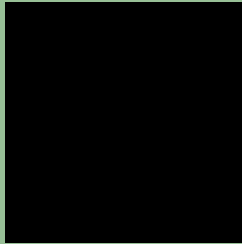
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0429, 0.3108, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 46.0429, 0.3108, 0.3878.



This preview shows how white text looks on a background with the Yxy color 46.0429, 0.3108, 0.3878.

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

46.0429, 0.3108, 0.3878

Protanopia

45.7632, 0.3517, 0.3750

Deuteranopia

45.4856, 0.3608, 0.3529



Tritanopia

45.7754, 0.2817, 0.3089

Trichromacy



Original Color

46.0429, 0.3108, 0.3878

Protanomaly

45.6177, 0.3353, 0.3795

Deuteranomaly

45.5072, 0.3412, 0.3648

Tritanomaly

45.9448, 0.2923, 0.3372

Monochromacy



Original Color

46.0429, 0.3108, 0.3878

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.4661, 0.3126, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0429, 0.3108, 0.3878 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(151, 191, 150)` looks like.

```
.text, #text, p{  
    color:rgb(151, 191, 150)  
}
```

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(151, 191, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 191, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.0429, 0.3108, 0.3878 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(151, 191, 150) }
```

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

```
.border{ border-color:rgb(151, 191, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 191, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 191, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 191, 150); box-shadow:4px 4px 4px 4px rgb(151, 191, 150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0429, 0.3108, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 191, 150) }
```

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

```
.background{ background-color: rgb(151,  
191, 150) }
```

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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