

Converting Colors

$Yxy(46.7198, 0.3125, 0.3828)$

Have a look what the booklet for
Yxy(46.7198, 0.3125, 0.3828)
contains.

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Color

Yxy(46.6294, 0.3126, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	9CBF99
RGB	156, 191, 153
RGB Percent	61%, 75%, 60%
CMY	0.3883, 0.2509, 0.4000
CMYK	0.18, 0.00, 0.20, 0.25
HSL	115°, 23%, 67%
HSV	115°, 20%, 75%
XYZ	38.0882, 46.6294, 37.1256
YIQ	176.2030, -8.6620, -19.2380

Conversions

Conversions Part 2

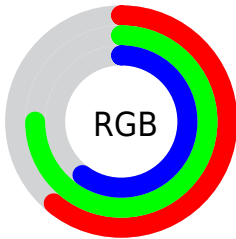
Format	Color
RYB	153, 191, 188
Decimal	10272665
CIELab	73.95, -19.10, 15.37
CIELCh	74, 24.512, 141.178
Yxy	46.6294, 0.3126, 0.3827
Android (android.graphics.Color)	4288462745 (0xFF9CBF99)
YUV	176.2030, -11.4391, -17.7180
Hunter-Lab	68.2857, -19.9369, 15.5652

Details

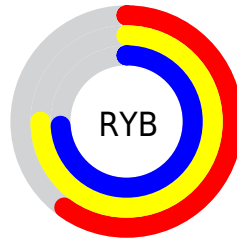
The Yxy color $46.6294, 0.3126, 0.3827$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $37.2347, 0.3122, 0.2798$, and the grayscale version is $43.5910, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.8754, 0.3132, 0.3724$, and $21.7937, 0.3116, 0.3982$ is the 20% darker color. If you saturate the color by 10%, you get $44.4200, 0.3122, 0.4143$, and if you desaturate by 10%, it is $49.1981, 0.3127, 0.3541$.

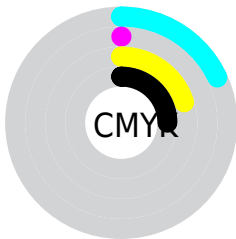
Distribution



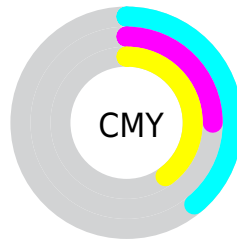
- Red (61%)
- Green (75%)
- Blue (60%)



- Red (60%)
- Yellow (75%)
- Blue (74%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)




- Cyan (39%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6294, 0.3126, 0.3827 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 46.6294, 0.3126, 0.3827 by changing the saturation by 10% instead.


 46.6294, 0.3126,
0.3827


 46.6294, 0.3126,
0.3827


373.3333, 0.3131,
0.3550

 32.7428, 0.3123,
0.3899


 85.1602, 0.3129,
0.3724

 21.9295, 0.3119,
0.3993


 110.5731, 0.3130,
0.3686

 13.8051, 0.3111,
0.4121


140.5969, 0.3130,
0.3655

 7.9852, 0.3096,
0.4305

175.6161, 0.3131,
0.3627

 4.0855, 0.3066,
0.4590

216.0149, 0.3131,
0.3604

 1.7215, 0.3030,
0.5152

262.1777, 0.3131,

 0.4375, 0.0000,

0.3584

1.0000

314.4891, 0.3131,
0.3566

0.0000, 0.0000,
0.0000

46.6294, 0.3126,
0.3827

46.6294, 0.3126,
0.3827

44.4200, 0.3122,
0.4143

49.1981, 0.3127,
0.3541

42.5483, 0.3115,
0.4482

52.1348, 0.3127,
0.3288

40.9993, 0.3105,
0.4831

55.4554, 0.3125,
0.3066

39.7548, 0.3090,
0.5171

59.1731, 0.3123,
0.2873

38.7946, 0.3073,
0.5477

63.3004, 0.3120,
0.2707

■ 38.0962, 0.3053,
0.5723

■ 65.7451, 0.3157,
0.2663

■ 37.6334, 0.3033,
0.5891

■ 37.3690, 0.3017,
0.5986

■ 37.3671, 0.3017,
0.5987

Harmonies

Analogous

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



46.6294, 0.3462, 0.3904



46.6294, 0.3126, 0.3827



46.6294, 0.2802, 0.3578

Triad

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



46.6294, 0.3126, 0.3827



46.6294, 0.2560, 0.2773



46.6294, 0.3711, 0.3288

Complementary

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



46.6294, 0.3126, 0.3827



37.2347, 0.3122, 0.2798

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.



46.6294, 0.3444, 0.3021



46.6294, 0.3126, 0.3827



46.6294, 0.2778, 0.2731

Square

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



46.6294, 0.3126, 0.3827



46.6294, 0.2487, 0.2955



46.6294, 0.3098, 0.2822



46.6294, 0.3811, 0.3569

Rectangle

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



46.6294, 0.3126, 0.3827



46.6294, 0.2635, 0.3360



46.6294, 0.3098, 0.2822



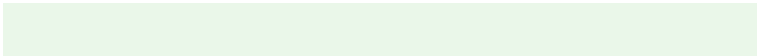
46.6294, 0.3637, 0.3195

Sweetspot

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



46.6314, 0.3126, 0.3827



90.0290, 0.3128, 0.3441



49.2752, 0.3430, 0.3741



19.6947, 0.3128, 0.3458



97.7402, 0.3127, 0.3290



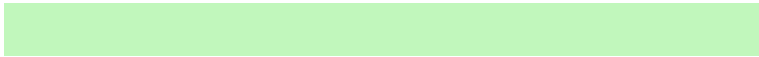
20.4902, 0.3127, 0.3290

Same Dimension

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



46.6314, 0.3126, 0.3827



81.6593, 0.3125, 0.3965



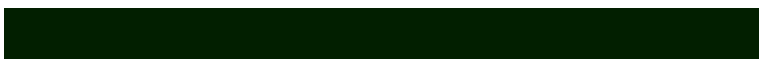
46.8949, 0.2987, 0.3600



10.6846, 0.3128, 0.3526



24.5693, 0.3020, 0.5984



0.9748, 0.3097, 0.5923

Inverse Universe

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



37.2347, 0.3122, 0.2798



61.6940, 0.3119, 0.2685



36.9589, 0.3297, 0.2999



9.6570, 0.3125, 0.3063



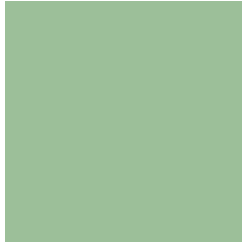
8.5505, 0.3014, 0.1434



0.3464, 0.3064, 0.1462

Previews

White Background



This preview shows how the Yxy color 46.6294, 0.3126, 0.3827 looks on a white background.

Color Contrast Check

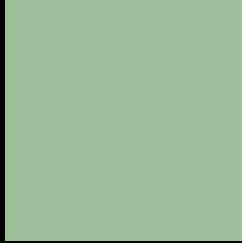
Large Text (above 18pt) WCAG AA × Fail

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 46.6294, 0.3126, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

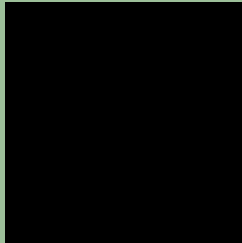
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

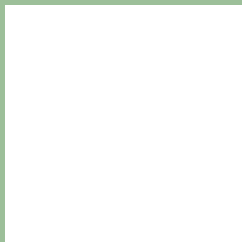
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6294, 0.3126, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 46.6294, 0.3126, 0.3827.



This preview shows how white text looks on a background with the Yxy color 46.6294, 0.3126, 0.3827.

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

46.6294, 0.3126, 0.3827

Protanopia

46.3923, 0.3498, 0.3721

Deuteranopia

46.4701, 0.3594, 0.3527



Tritanopia

46.7140, 0.2856, 0.3105

Trichromacy



Original Color

46.6294, 0.3126, 0.3827

Protanomaly

46.4836, 0.3354, 0.3762

Deuteranomaly

46.2331, 0.3411, 0.3632

Tritanomaly

46.4951, 0.2954, 0.3358

Monochromacy



Original Color

46.6294, 0.3126, 0.3827

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3099, 0.3127, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6294, 0.3126, 0.3827 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(156, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 191, 153)  
}
```

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(156, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 191, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.6294, 0.3126, 0.3827 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(156, 191, 153) }
```

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

```
.border{ border-color:rgb(156, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(156, 191,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6294, 0.3126, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 191, 153) }
```

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

```
.background{ background-color: rgb(156,  
191, 153) }
```

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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