

Converting Colors

Yxy(47.9693, 0.3121, 0.3603)

Have a look what the booklet for
Yxy(47.9693, 0.3121, 0.3603)
contains.

Yxy(47.9418, 0.3121, 0.3602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.9418, 0.3121, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	A8BEA7
RGB	168, 190, 167
RGB Percent	66%, 75%, 65%
CMY	0.3411, 0.2549, 0.3452
CMYK	0.12, 0.00, 0.12, 0.25
HSL	117°, 15%, 70%
HSV	117°, 12%, 75%
XYZ	41.5398, 47.9418, 43.6161
YIQ	180.8000, -5.7290, -11.8170

Conversions

Conversions Part 2

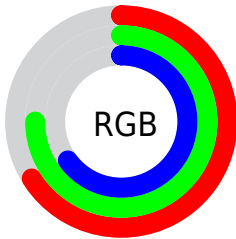
Format	Color
RYB	167, 190, 189
Decimal	11058855
CIELab	74.79, -11.89, 9.10
CIELCh	75, 14.969, 142.566
Yxy	47.9418, 0.3121, 0.3602
Android (android.graphics.Color)	4289248935 (0xFFA8BEA7)
YUV	180.8000, -6.8034, -11.2256
Hunter-Lab	69.2400, -14.0809, 11.1197

Details

The Yxy color $47.9418, 0.3121, 0.3602$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $42.1637, 0.3132, 0.2995$, and the grayscale version is $46.1372, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.8734, 0.3122, 0.3542$, and $22.8421, 0.3119, 0.3702$ is the 20% darker color. If you saturate the color by 10%, you get $45.4374, 0.3114, 0.3896$, and if you desaturate by 10%, it is $50.8313, 0.3126, 0.3341$.

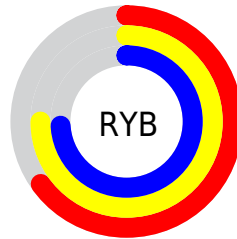
Distribution



Red (66%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (74%)

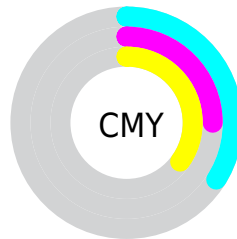


Cyan (12%)

Magenta (0%)

Yellow (12%)

Black (25%)



Cyan (34%)


Magenta (25%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9418, 0.3121, 0.3602 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 47.9418, 0.3121, 0.3602 by changing the saturation by 10% instead.

 47.9418, 0.3121,
0.3602


 47.9418, 0.3121,
0.3602

378.5614, 0.3126,
0.3444

 33.7808, 0.3119,
0.3642


 87.1177, 0.3123,
0.3544

 22.7253, 0.3117,
0.3695


 112.9015, 0.3124,
0.3522

 14.3908, 0.3113,
0.3765


143.3282, 0.3124,
0.3504

 8.3930, 0.3107,
0.3865

178.7824, 0.3125,
0.3488

 4.3474, 0.3095,
0.4018

219.6485, 0.3125,
0.3475

 1.8697, 0.3070,
0.4280

266.3107, 0.3125,

 0.5301, 0.2873,

0.3463

0.7127

319.1535, 0.3125,
0.3453

0.0000, 0.0000,
0.0000

47.9418, 0.3121,
0.3602

47.9418, 0.3121,
0.3602

45.4374, 0.3114,
0.3896

50.8313, 0.3126,
0.3341

43.2961, 0.3105,
0.4220

54.1148, 0.3130,
0.3113

41.5029, 0.3093,
0.4566

57.8085, 0.3133,
0.2915

40.0394, 0.3079,
0.4918

61.9258, 0.3134,
0.2744

38.8854, 0.3064,
0.5255

65.3066, 0.3157,
0.2653

■ 38.0188, 0.3047,
0.5551

■ 37.4142, 0.3031,
0.5780

■ 37.0420, 0.3016,
0.5927

■ 36.8820, 0.3009,
0.5993

Harmonies

Analogous

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



47.9418, 0.3325, 0.3657



47.9418, 0.3121, 0.3602



47.9418, 0.2923, 0.3454

Triad

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



47.9418, 0.3121, 0.3602



47.9418, 0.2783, 0.2971



47.9418, 0.3483, 0.3302

Complementary

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



47.9418, 0.3121, 0.3602



42.1637, 0.3132, 0.2995

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.



47.9418, 0.3329, 0.3132



47.9418, 0.3121, 0.3602



47.9418, 0.2923, 0.2944

Square

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



47.9418, 0.3121, 0.3602



47.9418, 0.2732, 0.3085



47.9418, 0.3123, 0.3003



47.9418, 0.3539, 0.3475

Rectangle

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



47.9418, 0.3121, 0.3602



47.9418, 0.2821, 0.3327



47.9418, 0.3123, 0.3003



47.9418, 0.3441, 0.3243

Sweetspot

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



47.9438, 0.3121, 0.3602



91.0373, 0.3125, 0.3389



50.0667, 0.3307, 0.3571



19.9002, 0.3125, 0.3409



97.7402, 0.3127, 0.3290



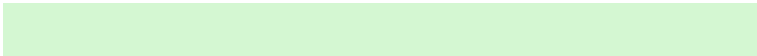
20.4902, 0.3127, 0.3290

Same Dimension

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



47.9438, 0.3121, 0.3602



85.3871, 0.3119, 0.3691



48.2286, 0.3036, 0.3460



10.6696, 0.3123, 0.3527



24.5340, 0.3012, 0.5991



0.9681, 0.3057, 0.5955

Inverse Universe

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



42.1637, 0.3132, 0.2995



72.4864, 0.3133, 0.2917



41.8602, 0.3230, 0.3126



9.6737, 0.3131, 0.3063



9.0472, 0.3098, 0.1480



0.3612, 0.3126, 0.1496

Previews

White Background



This preview shows how the Yxy color 47.9418, 0.3121, 0.3602 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 47.9418, 0.3121, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

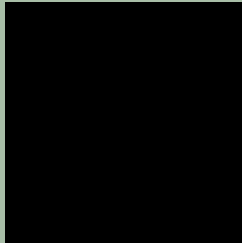
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

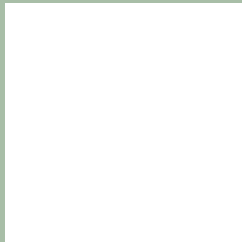
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9418, 0.3121, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 47.9418, 0.3121, 0.3602.



This preview shows how white text looks on a background with the Yxy color 47.9418, 0.3121, 0.3602.

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

47.9418, 0.3121, 0.3602

Protanopia

47.7178, 0.3367, 0.3548

Deuteranopia

47.6120, 0.3455, 0.3377



Tritanopia

47.7523, 0.2918, 0.3096

Trichromacy



Original Color

47.9418, 0.3121, 0.3602

Protanomaly

47.8654, 0.3275, 0.3580

Deuteranomaly

47.6579, 0.3328, 0.3457

Tritanomaly

47.8294, 0.2990, 0.3276

Monochromacy



Original Color

47.9418, 0.3121, 0.3602

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.6457, 0.3122, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9418, 0.3121, 0.3602 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(168, 190, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 167)  
}
```

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(168, 190, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 167) }
```

Border

The CSS property to change the border of an element to Yxy 47.9418, 0.3121, 0.3602 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(168, 190, 167) }
```

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

```
.border{ border-color:rgb(168, 190, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 190, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 190, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 190, 167); box-shadow:4px 4px 4px 4px rgb(168, 190, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9418, 0.3121, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 167) }
```

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

```
.background{ background-color: rgb(168,  
190, 167) }
```

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