

Converting Colors

$Yxy(42.6527, 0.3124, 0.3457)$

Have a look what the booklet for
Yxy(42.6527, 0.3124, 0.3457)
contains.

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Color

Yxy(42.7010, 0.3119, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	A6B2A6
RGB	166, 178, 166
RGB Percent	65%, 70%, 65%
CMY	0.3491, 0.3019, 0.3490
CMYK	0.07, 0.00, 0.07, 0.30
HSL	120°, 7%, 67%
HSV	120°, 7%, 70%
XYZ	38.5260, 42.7010, 42.2934
YIQ	173.0440, -3.3000, -6.2760

Conversions

Conversions Part 2

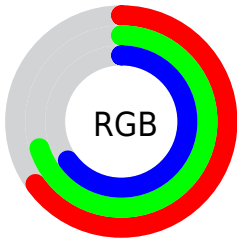
Format	Color
RYB	166, 178, 178
Decimal	10924710
CIELab	71.35, -6.48, 4.68
CIELCh	71, 7.994, 144.169
Yxy	42.7010, 0.3119, 0.3457
Android (android.graphics.Color)	4289114790 (0xFFA6B2A6)
YUV	173.0440, -3.4727, -6.1776
Hunter-Lab	65.3460, -9.1173, 7.3684

Details

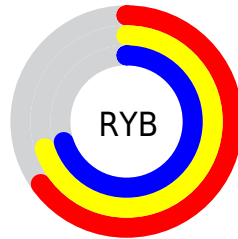
The Yxy color $42.7010, 0.3119, 0.3457$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $39.9428, 0.3135, 0.3128$, and the grayscale version is $41.8314, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.4382, 0.3121, 0.3429$, and $19.4595, 0.3117, 0.3504$ is the 20% darker color. If you saturate the color by 10%, you get $40.3036, 0.3106, 0.3733$, and if you desaturate by 10%, it is $45.4582, 0.3131, 0.3215$.

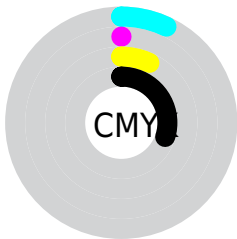
Distribution



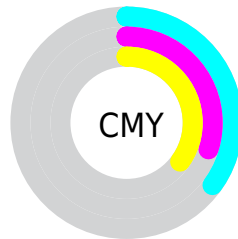
- Red (65%)
- Green (70%)
- Blue (65%)



- Red (65%)
- Yellow (70%)
- Blue (70%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (35%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7010, 0.3119, 0.3457 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 42.7010, 0.3119, 0.3457 by changing the saturation by 10% instead.


 42.7010, 0.3119,
0.3457

 42.7010, 0.3119,
0.3457


357.3807, 0.3124,
0.3371

 29.6506, 0.3118,
0.3479


 79.2595, 0.3121,
0.3425

 19.5735, 0.3116,
0.3508


 103.5363, 0.3121,
0.3414

 12.0854, 0.3113,
0.3547


132.3241, 0.3122,
0.3404

 6.8019, 0.3109,
0.3604

166.0072, 0.3122,
0.3395

 3.3385, 0.3102,
0.3692

204.9700, 0.3123,
0.3388

 1.3109, 0.3088,
0.3849

249.5969, 0.3123,

 0.1496, 0.0000,

0.3382

1.0000

300.2723, 0.3123,
0.3376

0.0000, 0.0000,
0.0000

42.7010, 0.3119,
0.3457

42.7010, 0.3119,
0.3457

40.3036, 0.3106,
0.3733

45.4582, 0.3131,
0.3215

38.2460, 0.3091,
0.4041

48.5833, 0.3141,
0.3006

36.5145, 0.3075,
0.4378

52.0913, 0.3150,
0.2826

35.0923, 0.3058,
0.4730

55.9944, 0.3158,
0.2671

33.9613, 0.3041,
0.5080

60.3044, 0.3164,
0.2539

■ 33.1013, 0.3026,
0.5403

■ 60.3249, 0.3163,
0.2537

■ 32.4896, 0.3014,
0.5671

■ 32.1000, 0.3005,
0.5863

■ 31.8959, 0.3001,
0.5971

Harmonies

Analogous

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



42.7010, 0.3233, 0.3492



42.7010, 0.3119, 0.3457



42.7010, 0.3009, 0.3375

Triad

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



42.7010, 0.3119, 0.3457



42.7010, 0.2937, 0.3111



42.7010, 0.3327, 0.3305

Complementary

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



42.7010, 0.3119, 0.3457



39.9428, 0.3135, 0.3128

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.



42.7010, 0.3245, 0.3207



42.7010, 0.3119, 0.3457



42.7010, 0.3020, 0.3096

Square

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



42.7010, 0.3119, 0.3457



42.7010, 0.2905, 0.3174



42.7010, 0.3132, 0.3131



42.7010, 0.3354, 0.3401

Rectangle

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



42.7010, 0.3119, 0.3457



42.7010, 0.2952, 0.3306



42.7010, 0.3132, 0.3131



42.7010, 0.3305, 0.3271

Sweetspot

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



42.7028, 0.3119, 0.3457



79.7083, 0.3125, 0.3339



44.0634, 0.3225, 0.3452



17.6712, 0.3125, 0.3336



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.7028, 0.3119, 0.3457



76.7921, 0.3117, 0.3493



42.9275, 0.3071, 0.3373



9.4905, 0.3116, 0.3524



22.7835, 0.2999, 0.5998



0.7170, 0.2996, 0.5987

Inverse Universe

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



39.9428, 0.3135, 0.3128



70.8233, 0.3137, 0.3095



39.7079, 0.3187, 0.3208



8.6463, 0.3138, 0.3066



9.0565, 0.3217, 0.1546



0.2851, 0.3215, 0.1545

Previews

White Background



This preview shows how the Yxy color 42.7010, 0.3119, 0.3457 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 42.7010, 0.3119, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

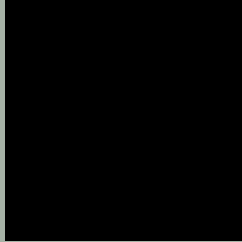
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

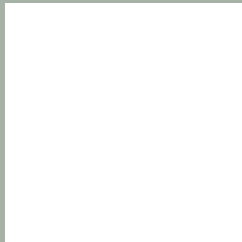
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7010, 0.3119, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 42.7010, 0.3119, 0.3457.



This preview shows how white text looks on a background with the Yxy color 42.7010, 0.3119, 0.3457.

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

42.7010, 0.3119, 0.3457

Protanopia

42.6557, 0.3265, 0.3425

Deuteranopia

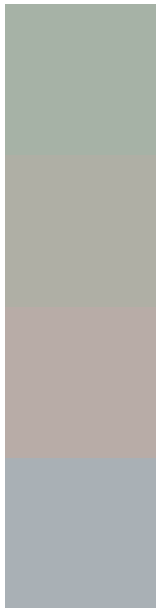
42.6724, 0.3368, 0.3304



Tritanopia

42.8801, 0.2973, 0.3102

Trichromacy



Original Color

42.7010, 0.3119, 0.3457

Protanomaly

42.4905, 0.3210, 0.3427

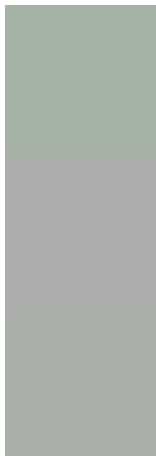
Deuteranomaly

42.4854, 0.3279, 0.3357

Tritanomaly

42.8219, 0.3027, 0.3222

Monochromacy



Original Color

42.7010, 0.3119, 0.3457

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.1083, 0.3124, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7010, 0.3119, 0.3457 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(166, 178, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 178, 166)  
}
```

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(166, 178, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 166) }
```

Border

The CSS property to change the border of an element to Yxy 42.7010, 0.3119, 0.3457 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(166, 178, 166) }
```

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

```
.border{ border-color:rgb(166, 178, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 178, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7010, 0.3119, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 178, 166) }
```

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

```
.background{ background-color: rgb(166,  
178, 166) }
```

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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