

Converting Colors

$Y_{xy}(42.5979, 0.3211, 0.3428)$

Have a look what the booklet for
Yxy(42.5979, 0.3211, 0.3428)
contains.

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Color

Yxy(42.4905, 0.3210, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	AFAFA5
RGB	175, 175, 165
RGB Percent	69%, 69%, 65%
CMY	0.3137, 0.3137, 0.3530
CMYK	0.00, 0.00, 0.06, 0.31
HSL	60°, 6%, 67%
HSV	60°, 6%, 69%
XYZ	39.8000, 42.4905, 41.6970
YIQ	173.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

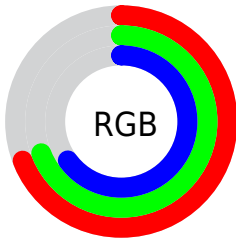
Format	Color
RYB	165, 175, 165
Decimal	11513765
CIELab	71.21, -1.83, 5.12
CIELCh	71, 5.437, 109.633
Yxy	42.4905, 0.3210, 0.3427
Android (android.graphics.Color)	4289703845 (0xFFAFAFA5)
YUV	173.8600, -4.3680, 0.9998
Hunter-Lab	65.1847, -5.0862, 7.7030

Details

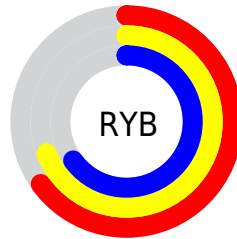
The Yxy color **42.4905, 0.3210, 0.3427** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0020, 0.3042, 0.3149**, and the grayscale version is **42.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7499, 0.3198, 0.3396**, and **19.5691, 0.3242, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **41.8971, 0.3358, 0.3672**, and if you desaturate by 10%, it is **43.1748, 0.3067, 0.3190**.

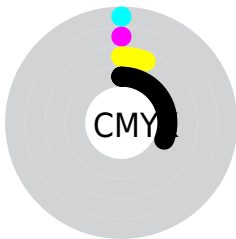
Distribution



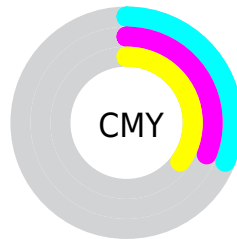
- Red (69%)
- Green (69%)
- Blue (65%)



- Red (65%)
- Yellow (69%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)





- Cyan (31%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4905, 0.3210, 0.3427 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 42.4905, 0.3210, 0.3427 by changing the saturation by 10% instead.


 42.4905, 0.3210,
0.3427

 42.4905, 0.3210,
0.3427


356.5122, 0.3168,
0.3357

 29.4856, 0.3221,
0.3445


 78.9414, 0.3195,
0.3401

 19.4484, 0.3234,
0.3468


 103.1562, 0.3189,
0.3392

 11.9948, 0.3253,
0.3500


131.8764, 0.3184,
0.3384

 6.7401, 0.3279,
0.3545

165.4864, 0.3180,
0.3377

 3.3001, 0.3319,
0.3614

204.3706, 0.3176,
0.3371

 1.2903, 0.3388,
0.3736

248.9134, 0.3173,

 0.1337, 0.3815,

0.3366

0.6185

299.4991, 0.3171,
0.3361

0.0000, 0.0000,
0.0000

42.4905, 0.3210,
0.3427

42.4905, 0.3210,
0.3427

41.8971, 0.3358,
0.3672

43.1748, 0.3067,
0.3190

41.3855, 0.3508,
0.3920

43.9478, 0.2931,
0.2965

40.9539, 0.3654,
0.4162

44.8144, 0.2804,
0.2755

40.5981, 0.3792,
0.4390

45.7778, 0.2687,
0.2562

40.3139, 0.3915,
0.4594

46.8406, 0.2580,
0.2385

■ 40.0963, 0.4019,
0.4765

■ 47.0019, 0.2566,
0.2361

■ 39.9398, 0.4099,
0.4898

■ 47.0028, 0.2566,
0.2361

■ 39.8383, 0.4153,
0.4988

■ 47.0038, 0.2566,
0.2361

■ 39.7836, 0.4183,
0.5038

■ 47.0048, 0.2566,
0.2361

Harmonies

Analogous

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



42.4905, 0.3264, 0.3408



42.4905, 0.3210, 0.3427



42.4905, 0.3134, 0.3409

Triad

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



42.4905, 0.3210, 0.3427



42.4905, 0.2976, 0.3220



42.4905, 0.3197, 0.3224

Complementary

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



42.4905, 0.3210, 0.3427



38.0020, 0.3042, 0.3149

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.



42.4905, 0.3119, 0.3175



42.4905, 0.3210, 0.3427



42.4905, 0.2992, 0.3172

Square

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



42.4905, 0.3210, 0.3427



42.4905, 0.2999, 0.3288



42.4905, 0.3044, 0.3156



42.4905, 0.3257, 0.3290

Rectangle

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



42.4905, 0.3210, 0.3427



42.4905, 0.3082, 0.3378



42.4905, 0.3044, 0.3156



42.4905, 0.3172, 0.3205

Sweetspot

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



42.4923, 0.3210, 0.3427



76.5292, 0.3156, 0.3338



38.7385, 0.3221, 0.3290



17.0124, 0.3155, 0.3336



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



42.4923, 0.3210, 0.3427



75.9387, 0.3231, 0.3461



41.9243, 0.3165, 0.3429



9.3553, 0.3235, 0.3469



28.4765, 0.4192, 0.5053



0.7922, 0.4193, 0.5053

Inverse Universe

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



38.0020, 0.3042, 0.3149



66.0228, 0.3020, 0.3113



38.5489, 0.3088, 0.3151



8.0814, 0.3015, 0.3105



2.2170, 0.1500, 0.0600



0.0617, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 42.4905, 0.3210, 0.3427 looks on a white background.

Color Contrast Check

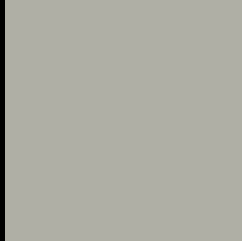
Large Text (above 18pt) WCAG AA × Fail

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 42.4905, 0.3210, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

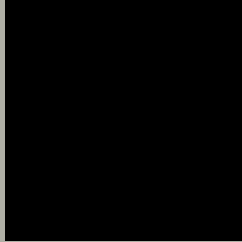
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

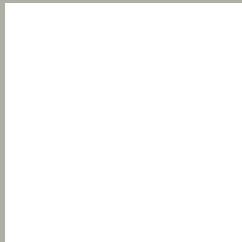
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4905, 0.3210, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 42.4905, 0.3210, 0.3427.



This preview shows how white text looks on a background with the Yxy color 42.4905, 0.3210, 0.3427.

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

42.4905, 0.3210, 0.3427

Protanopia

42.6557, 0.3265, 0.3425

Deuteranopia

42.2278, 0.3388, 0.3317



Tritanopia

42.4728, 0.3073, 0.3118

Trichromacy



Original Color

42.4905, 0.3210, 0.3427

Protanomaly

42.4174, 0.3247, 0.3426

Deuteranomaly

42.4438, 0.3317, 0.3357

Tritanomaly

42.4486, 0.3121, 0.3223

Monochromacy



Original Color

42.4905, 0.3210, 0.3427

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2110, 0.3152, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4905, 0.3210, 0.3427 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(175, 175, 165)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 165)  
}
```

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(175, 175, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 165) }
```

Border

The CSS property to change the border of an element to Yxy 42.4905, 0.3210, 0.3427 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(175, 175, 165) }
```

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

```
.border{ border-color:rgb(175, 175, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 165);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4905, 0.3210, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 165) }
```

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

```
.background{ background-color: rgb(175,  
175, 165) }
```

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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