

Converting Colors

$Y_{xy}(42.9268, 0.3203, 0.3540)$

Have a look what the booklet for
Yxy(42.9268, 0.3203, 0.3540)
contains.

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Color

Yxy(42.9249, 0.3203, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	AAB2A0
RGB	170, 178, 160
RGB Percent	67%, 70%, 63%
CMY	0.3334, 0.3019, 0.3726
CMYK	0.05, 0.00, 0.10, 0.30
HSL	87°, 10%, 66%
HSV	87°, 10%, 70%
XYZ	38.8385, 42.9249, 39.4933
YIQ	173.5560, 1.0100, -7.2940

Conversions

Conversions Part 2

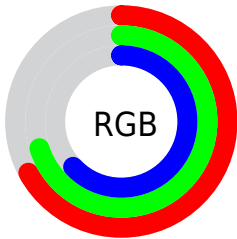
Format	Color
RYB	160, 178, 168
Decimal	11186848
CIELab	71.50, -6.14, 8.24
CIELCh	72, 10.273, 126.703
Yxy	42.9249, 0.3203, 0.3540
Android (android.graphics.Color)	4289376928 (0xFFAAB2A0)
YUV	173.5560, -6.6831, -3.1186
Hunter-Lab	65.5171, -8.8401, 10.1223

Details

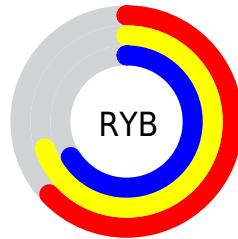
The Yxy color $42.9249, 0.3203, 0.3540$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $36.6833, 0.3045, 0.3039$, and the grayscale version is $42.1213, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.7595, 0.3185, 0.3493$, and $19.6229, 0.3222, 0.3599$ is the 20% darker color. If you saturate the color by 10%, you get $41.4894, 0.3277, 0.3806$, and if you desaturate by 10%, it is $44.5068, 0.3128, 0.3293$.

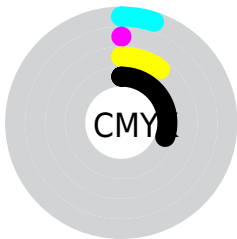
Distribution



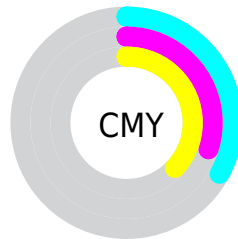
- Red (67%)
- Green (70%)
- Blue (63%)



- Red (63%)
- Yellow (70%)
- Blue (66%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)




- Cyan (33%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9249, 0.3203, 0.3540 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 42.9249, 0.3203, 0.3540 by changing the saturation by 10% instead.

 42.9249, 0.3203,
0.3540


 42.9249, 0.3203,
0.3540


358.3028, 0.3165,
0.3412

 29.8262, 0.3212,
0.3573

 79.5975, 0.3189,
0.3493

 19.7067, 0.3224,
0.3616


 103.9402, 0.3184,
0.3475

 12.1820, 0.3240,
0.3675


132.7997, 0.3180,
0.3460

 6.8678, 0.3262,
0.3760

166.5604, 0.3176,
0.3448

 3.3795, 0.3293,
0.3891

205.6066, 0.3173,
0.3437

 1.3329, 0.3350,
0.4135

250.3229, 0.3170,

 0.1665, 0.0478,

0.3427

0.9522

301.0935, 0.3168,
0.3419

0.0000, 0.0000,
0.0000

42.9249, 0.3203,
0.3540

42.9249, 0.3203,
0.3540

41.4894, 0.3277,
0.3806

44.5068, 0.3128,
0.3293

40.1899, 0.3349,
0.4087

46.2340, 0.3055,
0.3066

39.0235, 0.3413,
0.4376

48.1126, 0.2984,
0.2861

37.9846, 0.3466,
0.4663

50.1466, 0.2918,
0.2677

37.0676, 0.3503,
0.4936

52.3400, 0.2855,
0.2511

■ 36.2660, 0.3520,
0.5181

■ 53.9127, 0.2874,
0.2469

■ 35.5727, 0.3515,
0.5385

■ 55.1636, 0.2935,
0.2483

■ 34.9795, 0.3488,
0.5539

■ 56.4740, 0.2995,
0.2497

■ 34.4759, 0.3444,
0.5647

■ 57.8446, 0.3057,
0.2512

Harmonies

Analogous

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



42.9249, 0.3334, 0.3541



42.9249, 0.3203, 0.3540



42.9249, 0.3054, 0.3467

Triad

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



42.9249, 0.3203, 0.3540



42.9249, 0.2852, 0.3100



42.9249, 0.3329, 0.3233

Complementary

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



42.9249, 0.3203, 0.3540



36.6833, 0.3045, 0.3039

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.



42.9249, 0.3196, 0.3122



42.9249, 0.3203, 0.3540



42.9249, 0.2921, 0.3045

Square

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



42.9249, 0.3203, 0.3540



42.9249, 0.2854, 0.3208



42.9249, 0.3047, 0.3054



42.9249, 0.3408, 0.3361

Rectangle

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



42.9249, 0.3203, 0.3540



42.9249, 0.2965, 0.3389



42.9249, 0.3047, 0.3054



42.9249, 0.3289, 0.3193

Sweetspot

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



42.9268, 0.3203, 0.3540



79.8313, 0.3150, 0.3363



39.9368, 0.3290, 0.3398



17.6349, 0.3156, 0.3383



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.



42.9268, 0.3203, 0.3540



77.2685, 0.3219, 0.3594



41.9810, 0.3126, 0.3546



9.7143, 0.3197, 0.3520



24.7020, 0.3452, 0.5641



0.8112, 0.3657, 0.5478

Inverse Universe

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



36.6833, 0.3045, 0.3039



63.8063, 0.3027, 0.2984



37.6798, 0.3127, 0.3045



8.4095, 0.3052, 0.3059



3.5379, 0.1937, 0.0841



0.1461, 0.2266, 0.1022

Previews

White Background



This preview shows how the Yxy color 42.9249, 0.3203, 0.3540 looks on a white background.

Color Contrast Check

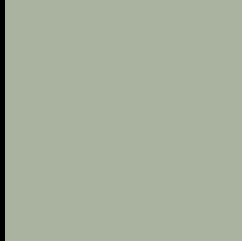
Large Text (above 18pt) WCAG AA × Fail

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 42.9249, 0.3203, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

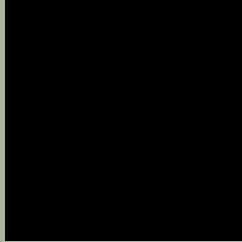
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

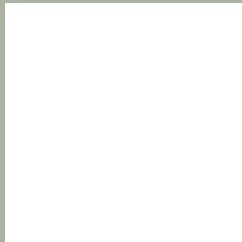
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9249, 0.3203, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 42.9249, 0.3203, 0.3540.



This preview shows how white text looks on a background with the Yxy color 42.9249, 0.3203, 0.3540.

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

42.9249, 0.3203, 0.3540

Protanopia

42.6858, 0.3335, 0.3507

Deuteranopia

42.8549, 0.3451, 0.3381



Tritanopia

42.9016, 0.3014, 0.3104

Trichromacy



Original Color

42.9249, 0.3203, 0.3540

Protanomaly

42.6281, 0.3288, 0.3508

Deuteranomaly

42.6431, 0.3359, 0.3437

Tritanomaly

42.7585, 0.3085, 0.3249

Monochromacy



Original Color

42.9249, 0.3203, 0.3540

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.4088, 0.3159, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9249, 0.3203, 0.3540 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(170, 178, 160)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 160)  
}
```

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(170, 178, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 160) }
```

Border

The CSS property to change the border of an element to Yxy 42.9249, 0.3203, 0.3540 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(170, 178, 160) }
```

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

```
.border{ border-color:rgb(170, 178, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 160);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9249, 0.3203, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 160) }
```

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

```
.background{ background-color: rgb(170,  
178, 160) }
```

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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