

Converting Colors

Yxy(50.2332, 0.3100, 0.3421)

Have a look what the booklet for
Yxy(50.2332, 0.3100, 0.3421)
contains.

Yxy(50.1815, 0.3105, 0.3420)	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(50.1815, 0.3105, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	B3BFB5
RGB	179, 191, 181
RGB Percent	70%, 75%, 71%
CMY	0.2980, 0.2510, 0.2903
CMYK	0.06, 0.00, 0.05, 0.25
HSL	130°, 9%, 73%
HSV	130°, 6%, 75%
XYZ	45.5595, 50.1815, 50.9885
YIQ	186.2720, -3.9420, -5.6540

Conversions

Conversions Part 2

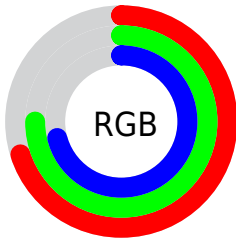
Format	Color
RYB	179, 189, 191
Decimal	11780021
CIELab	76.18, -6.02, 3.62
CIELCh	76, 7.028, 148.985
Yxy	50.1815, 0.3105, 0.3420
Android (android.graphics.Color)	4289970101 (0xFFB3BFB5)
YUV	186.2720, -2.5991, -6.3775
Hunter-Lab	70.8389, -9.1671, 6.9114

Details

The Yxy color **50.1815, 0.3105, 0.3420** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9926, 0.3150, 0.3163**, and the grayscale version is **49.2800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2981, 0.3110, 0.3391**, and **24.1711, 0.3097, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **47.4454, 0.3069, 0.3649**, and if you desaturate by 10%, it is **53.3121, 0.3140, 0.3218**.

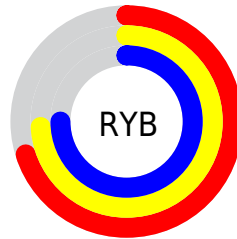
Distribution



Red (70%)

Green (75%)

Blue (71%)



Red (70%)

Yellow (74%)

Blue (75%)

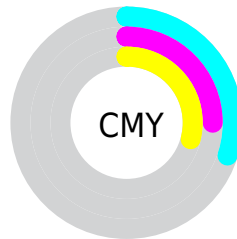


Cyan (6%)

Magenta (0%)

Yellow (5%)

Black (25%)



Cyan (30%)


Magenta (25%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1815, 0.3105, 0.3420 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 50.1815, 0.3105, 0.3420 by changing the saturation by 10% instead.

 50.1815, 0.3105,
0.3420

 50.1815, 0.3105,
0.3420


387.3753, 0.3116,
0.3355

 35.5576, 0.3102,
0.3436


 90.4437, 0.3109,
0.3397

 24.0927, 0.3098,
0.3457


116.8509, 0.3111,
0.3388

 15.4024, 0.3093,
0.3484


147.9546, 0.3112,
0.3380

 9.1023, 0.3086,
0.3523

184.1393, 0.3113,
0.3374

 4.8080, 0.3076,
0.3580

225.7893, 0.3114,
0.3368

 2.1350, 0.3057,
0.3675

273.2890, 0.3115,

 0.6842, 0.2997,

0.3363

0.4074

327.0229, 0.3116,
0.3359

0.0000, 0.0000,
0.0000

50.1815, 0.3105,
0.3420

50.1815, 0.3105,
0.3420

47.4454, 0.3069,
0.3649

53.3121, 0.3140,
0.3218

45.0820, 0.3034,
0.3906

56.8454, 0.3174,
0.3042

43.0770, 0.3000,
0.4188

60.7972, 0.3205,
0.2889

41.4128, 0.2970,
0.4489

65.1044, 0.3231,
0.2756

40.0701, 0.2947,
0.4800

65.7447, 0.3157,
0.2663

■ 39.0280, 0.2933,
0.5105

■ 38.2628, 0.2929,
0.5386

■ 37.7472, 0.2937,
0.5624

■ 37.4466, 0.2955,
0.5804

Harmonies

Analogous

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



50.1815, 0.3201, 0.3456



50.1815, 0.3105, 0.3420



50.1815, 0.3016, 0.3348

Triad

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



50.1815, 0.3105, 0.3420



50.1815, 0.2977, 0.3135



50.1815, 0.3300, 0.3316

Complementary

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



50.1815, 0.3105, 0.3420



46.9926, 0.3150, 0.3163

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.



50.1815, 0.3239, 0.3233



50.1815, 0.3105, 0.3420



50.1815, 0.3052, 0.3130

Square

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



50.1815, 0.3105, 0.3420



50.1815, 0.2943, 0.3183



50.1815, 0.3147, 0.3165



50.1815, 0.3315, 0.3394

Rectangle

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



50.1815, 0.3105, 0.3420



50.1815, 0.2972, 0.3289



50.1815, 0.3147, 0.3165



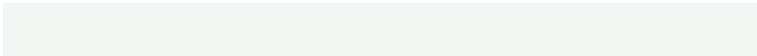
50.1815, 0.3284, 0.3288

Sweetspot

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



50.1836, 0.3105, 0.3420



92.1687, 0.3120, 0.3331



51.3645, 0.3204, 0.3442



20.2518, 0.3120, 0.3329



97.7402, 0.3127, 0.3290



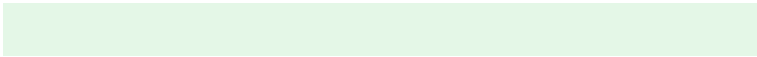
20.4902, 0.3127, 0.3290

Same Dimension

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



50.1836, 0.3105, 0.3420



88.9178, 0.3098, 0.3460



50.4278, 0.3062, 0.3344



10.6746, 0.3094, 0.3487



24.5627, 0.2956, 0.5840



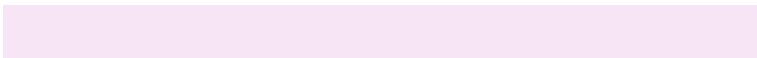
0.9703, 0.2845, 0.5442

Inverse Universe

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



46.9926, 0.3150, 0.3163



81.6210, 0.3157, 0.3126



46.7446, 0.3197, 0.3237



9.6685, 0.3162, 0.3100



8.9464, 0.3669, 0.1795



0.3577, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 50.1815, 0.3105, 0.3420 looks on a white background.

Color Contrast Check

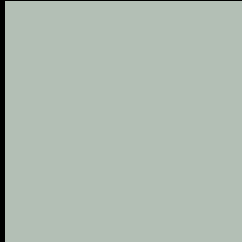
Large Text (above 18pt) WCAG AA × Fail

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 50.1815, 0.3105, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

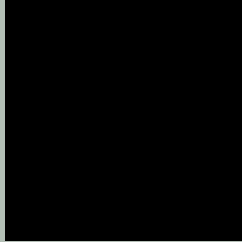
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

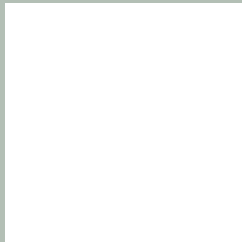
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1815, 0.3105, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 50.1815, 0.3105, 0.3420.



This preview shows how white text looks on a background with the Yxy color 50.1815, 0.3105, 0.3420.

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

50.1815, 0.3105, 0.3420

Protanopia

50.1328, 0.3240, 0.3391

Deuteranopia

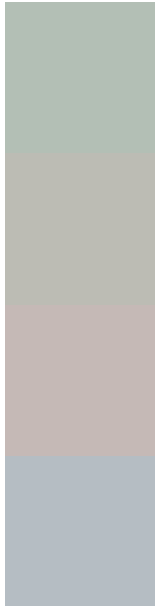
49.7320, 0.3337, 0.3266



Tritanopia

50.2233, 0.2967, 0.3101

Trichromacy



Original Color

50.1815, 0.3105, 0.3420

Protanomaly

49.9531, 0.3189, 0.3392

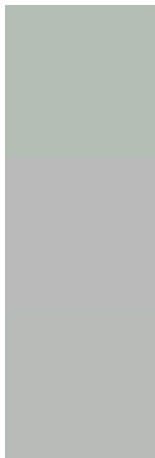
Deuteranomaly

49.9456, 0.3253, 0.3328

Tritanomaly

50.1591, 0.3018, 0.3213

Monochromacy



Original Color

50.1815, 0.3105, 0.3420

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4944, 0.3117, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1815, 0.3105, 0.3420 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(179, 191, 181)` looks like.

```
.text, #text, p{  
    color:rgb(179, 191, 181)  
}
```

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(179, 191, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 191, 181) }
```

Border

The CSS property to change the border of an element to Yxy 50.1815, 0.3105, 0.3420 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(179, 191, 181) }
```

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

```
.border{ border-color:rgb(179, 191, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 191, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 191, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 191, 181);  
box-shadow:4px 4px 4px 4px rgb(179, 191,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1815, 0.3105, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 191, 181) }
```

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

```
.background{ background-color: rgb(179,  
191, 181) }
```

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