

Converting Colors

$Yxy(49.9013, 0.3158, 0.3512)$

Have a look what the booklet for
Yxy(49.9013, 0.3158, 0.3512)
contains.

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Color

Yxy(49.9013, 0.3158, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	B3BFAE
RGB	179, 191, 174
RGB Percent	70%, 75%, 68%
CMY	0.2978, 0.2510, 0.3176
CMYK	0.06, 0.00, 0.09, 0.25
HSL	102°, 12%, 72%
HSV	102°, 9%, 75%
XYZ	44.8714, 49.9013, 47.3153
YIQ	185.4740, -1.6950, -7.8310

Conversions

Conversions Part 2

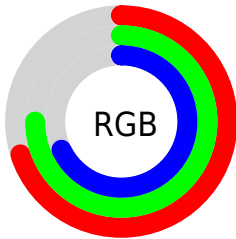
Format	Color
RYB	174, 191, 186
Decimal	11780014
CIELab	76.01, -7.26, 7.15
CIELCh	76, 10.190, 135.456
Yxy	49.9013, 0.3158, 0.3512
Android (android.graphics.Color)	4289970094 (0xFFB3BFAE)
YUV	185.4740, -5.6567, -5.6777
Hunter-Lab	70.6409, -10.2375, 9.7361

Details

The Yxy color **49.9013, 0.3158, 0.3512** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4684, 0.3093, 0.3072**, and the grayscale version is **48.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8408, 0.3157, 0.3473**, and **24.0177, 0.3158, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **47.6879, 0.3191, 0.3787**, and if you desaturate by 10%, it is **52.3806, 0.3123, 0.3264**.

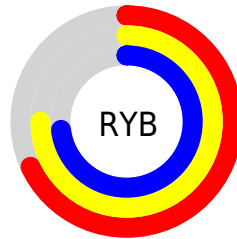
Distribution



Red (70%)

Green (75%)

Blue (68%)



Red (68%)

Yellow (75%)

Blue (73%)

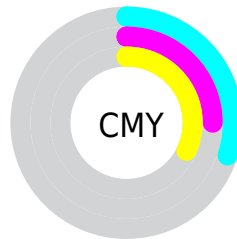


Cyan (6%)

Magenta (0%)

Yellow (9%)

Black (25%)



Cyan (30%)


Magenta (25%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9013, 0.3158, 0.3512 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 49.9013, 0.3158, 0.3512 by changing the saturation by 10% instead.


 49.9013, 0.3158,
0.3512

 49.9013, 0.3158,
0.3512


386.2798, 0.3143,
0.3401

 35.3350, 0.3161,
0.3540


 90.0286, 0.3153,
0.3472

 23.9210, 0.3166,
0.3576

116.3584, 0.3151,
0.3456

 15.2751, 0.3171,
0.3623


147.3781, 0.3149,
0.3444

 9.0127, 0.3178,
0.3690

183.4722, 0.3148,
0.3433

 4.7494, 0.3187,
0.3791

225.0250, 0.3147,
0.3423

 2.1010, 0.3199,
0.3958

272.4210, 0.3145,

 0.6652, 0.3383,

0.3415

0.4947

326.0445, 0.3144,
0.3407

0.0000, 0.0000,
0.0000

49.9013, 0.3158,
0.3512

49.9013, 0.3158,
0.3512

47.6879, 0.3191,
0.3787

52.3806, 0.3123,
0.3264

45.7250, 0.3221,
0.4085

55.1279, 0.3088,
0.3042

44.0055, 0.3245,
0.4402

58.1531, 0.3054,
0.2846

42.5193, 0.3260,
0.4726

61.4642, 0.3021,
0.2673

41.2557, 0.3263,
0.5043

64.0987, 0.3090,
0.2650

■ 40.2030, 0.3253,
0.5333

■ 65.7366, 0.3157,
0.2663

■ 39.3484, 0.3228,
0.5577

■ 38.6774, 0.3189,
0.5760

■ 38.1688, 0.3142,
0.5879

Harmonies

Analogous

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



49.9013, 0.3290, 0.3534



49.9013, 0.3158, 0.3512



49.9013, 0.3020, 0.3427

Triad

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



49.9013, 0.3158, 0.3512



49.9013, 0.2880, 0.3089



49.9013, 0.3346, 0.3271

Complementary

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



49.9013, 0.3158, 0.3512



44.4684, 0.3093, 0.3072

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.



49.9013, 0.3232, 0.3159



49.9013, 0.3158, 0.3512



49.9013, 0.2963, 0.3054

Square

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



49.9013, 0.3158, 0.3512



49.9013, 0.2861, 0.3179



49.9013, 0.3092, 0.3080



49.9013, 0.3401, 0.3391

Rectangle

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



49.9013, 0.3158, 0.3512



49.9013, 0.2943, 0.3346



49.9013, 0.3092, 0.3080



49.9013, 0.3313, 0.3232

Sweetspot

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



49.9034, 0.3158, 0.3512



91.9241, 0.3138, 0.3364



49.2047, 0.3264, 0.3442



20.1061, 0.3141, 0.3384



97.7402, 0.3127, 0.3290



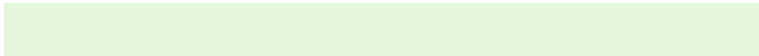
20.4902, 0.3127, 0.3290

Same Dimension

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



49.9034, 0.3158, 0.3512



88.4423, 0.3166, 0.3573



49.4468, 0.3091, 0.3469



10.7834, 0.3160, 0.3524



25.0922, 0.3146, 0.5884



1.0179, 0.3341, 0.5730

Inverse Universe

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



44.4684, 0.3093, 0.3072



76.3940, 0.3084, 0.3014



44.9638, 0.3165, 0.3117



9.5500, 0.3091, 0.3061



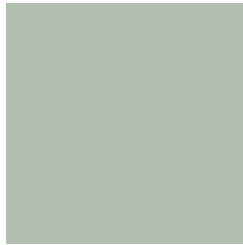
5.8580, 0.2477, 0.1138



0.2618, 0.2659, 0.1239

Previews

White Background



This preview shows how the Yxy color 49.9013, 0.3158, 0.3512 looks on a white background.

Color Contrast Check

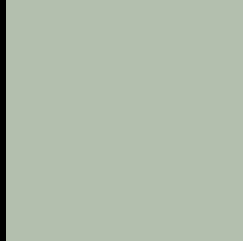
Large Text (above 18pt) WCAG AA × Fail

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 49.9013, 0.3158, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

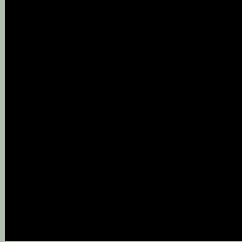
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9013, 0.3158, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 49.9013, 0.3158, 0.3512.



This preview shows how white text looks on a background with the Yxy color 49.9013, 0.3158, 0.3512.

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

49.9013, 0.3158, 0.3512

Protanopia

49.9885, 0.3305, 0.3480

Deuteranopia

49.7376, 0.3413, 0.3352



Tritanopia

49.8722, 0.2982, 0.3101

Trichromacy



Original Color

49.9013, 0.3158, 0.3512

Protanomaly

49.8024, 0.3252, 0.3482

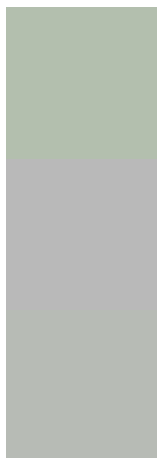
Deuteranomaly

49.7988, 0.3318, 0.3416

Tritanomaly

49.7173, 0.3048, 0.3239

Monochromacy



Original Color

49.9013, 0.3158, 0.3512

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.9441, 0.3140, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9013, 0.3158, 0.3512 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(179, 191, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 191, 174) }
```

Border

The CSS property to change the border of an element to Yxy 49.9013, 0.3158, 0.3512 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, 174) }
```

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

```
.border{ border-color:rgb(179, 191, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 191, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 191, 174);  
box-shadow:4px 4px 4px 4px rgb(179, 191,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9013, 0.3158, 0.3512 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, 174) }
```

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

```
.background{ background-color: rgb(179,  
191, 174) }
```

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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