

Converting Colors

$Y_{xy}(50.2512, 0.3103, 0.3520)$

Have a look what the booklet for
Yxy(50.2512, 0.3103, 0.3520)
contains.

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Color

Yxy(50.2732, 0.3101, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	AEC1B0
RGB	174, 193, 176
RGB Percent	68%, 76%, 69%
CMY	0.3175, 0.2431, 0.3099
CMYK	0.10, 0.00, 0.09, 0.24
HSL	126°, 13%, 72%
HSV	126°, 10%, 76%
XYZ	44.3646, 50.2732, 48.4277
YIQ	185.3810, -5.8670, -9.3150

Conversions

Conversions Part 2

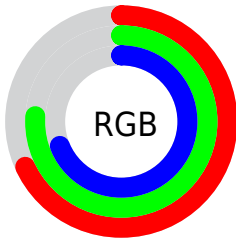
Format	Color
RYB	174, 191, 193
Decimal	11452848
CIELab	76.24, -9.72, 6.36
CIElCh	76, 11.615, 146.781
Yxy	50.2732, 0.3101, 0.3514
Android (android.graphics.Color)	4289642928 (0xFFAEC1B0)
YUV	185.3810, -4.6248, -9.9811
Hunter-Lab	70.9036, -12.3933, 9.1370

Details

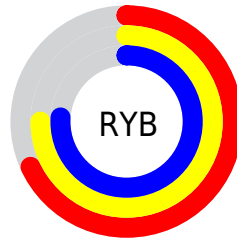
The Yxy color **50.2732, 0.3101, 0.3514** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.3841, 0.3154, 0.3076**, and the grayscale version is **48.7703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4006, 0.3106, 0.3464**, and **24.0580, 0.3093, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **47.5729, 0.3073, 0.3772**, and if you desaturate by 10%, it is **53.3837, 0.3128, 0.3286**.

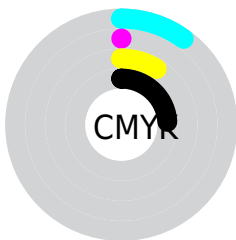
Distribution



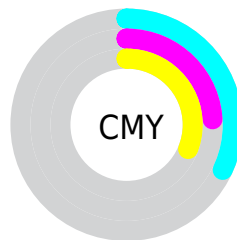
- Red (68%)
- Green (76%)
- Blue (69%)



- Red (68%)
- Yellow (75%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)





- Cyan (32%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2732, 0.3101, 0.3514 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 50.2732, 0.3101, 0.3514 by changing the saturation by 10% instead.


 50.2732, 0.3101,
0.3514

 50.2732, 0.3101,
0.3514


387.7334, 0.3115,
0.3402

 35.6305, 0.3097,
0.3542


 90.5795, 0.3106,
0.3473

 24.1490, 0.3093,
0.3578


117.0120, 0.3108,
0.3458

 15.4442, 0.3086,
0.3627


148.1431, 0.3110,
0.3445

 9.1317, 0.3076,
0.3695

184.3574, 0.3111,
0.3434

 4.8272, 0.3061,
0.3797

226.0391, 0.3112,
0.3424

 2.1462, 0.3034,
0.3967

273.5728, 0.3113,

 0.6904, 0.2959,

0.3416

0.4875

327.3427, 0.3114,
0.3408

0.0000, 0.0000,
0.0000

50.2732, 0.3101,
0.3514

50.2732, 0.3101,
0.3514

47.5729, 0.3073,
0.3772

53.3837, 0.3128,
0.3286

45.2596, 0.3046,
0.4059

56.9139, 0.3153,
0.3088

43.3175, 0.3020,
0.4371

60.8808, 0.3176,
0.2916

41.7272, 0.2997,
0.4697

65.2987, 0.3198,
0.2767

40.4675, 0.2979,
0.5024

66.6197, 0.3156,
0.2683

■ 39.5151, 0.2968,
0.5331

■ 38.8433, 0.2965,
0.5595

■ 38.4210, 0.2971,
0.5797

■ 38.1928, 0.2981,
0.5929

Harmonies

Analogous

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



50.2732, 0.3259, 0.3568



50.2732, 0.3101, 0.3514



50.2732, 0.2953, 0.3395

Triad

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



50.2732, 0.3101, 0.3514



50.2732, 0.2874, 0.3039



50.2732, 0.3409, 0.3320

Complementary

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



50.2732, 0.3101, 0.3514



45.3841, 0.3154, 0.3076

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.



50.2732, 0.3301, 0.3186



50.2732, 0.3101, 0.3514



50.2732, 0.2991, 0.3026

Square

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



50.2732, 0.3101, 0.3514



50.2732, 0.2824, 0.3119



50.2732, 0.3147, 0.3080



50.2732, 0.3440, 0.3451

Rectangle

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



50.2732, 0.3101, 0.3514



50.2732, 0.2879, 0.3298



50.2732, 0.3147, 0.3080



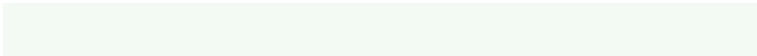
50.2732, 0.3381, 0.3275

Sweetspot

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



50.2753, 0.3101, 0.3514



93.7393, 0.3119, 0.3356



52.2865, 0.3256, 0.3530



20.0116, 0.3117, 0.3374



97.7402, 0.3127, 0.3290



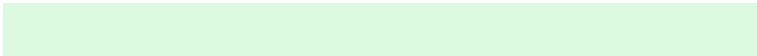
20.4902, 0.3127, 0.3290

Same Dimension

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



50.2753, 0.3101, 0.3514



88.8384, 0.3095, 0.3572



50.6618, 0.3032, 0.3389



11.2753, 0.3102, 0.3503



25.4065, 0.2977, 0.5918



1.1035, 0.2904, 0.5656

Inverse Universe

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



45.3841, 0.3154, 0.3076



78.1499, 0.3161, 0.3023



44.9819, 0.3233, 0.3194



10.2291, 0.3153, 0.3086



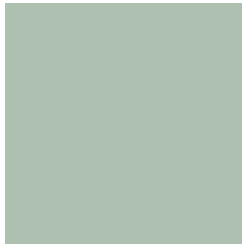
9.5585, 0.3483, 0.1692



0.4182, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 50.2732, 0.3101, 0.3514 looks on a white background.

Color Contrast Check

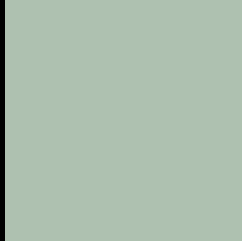
Large Text (above 18pt) WCAG AA × Fail

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 50.2732, 0.3101, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

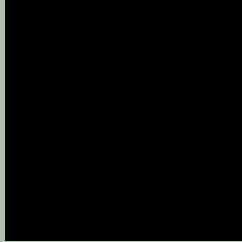
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

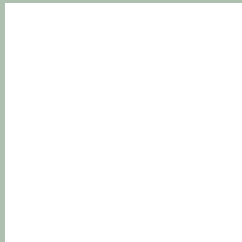
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2732, 0.3101, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 50.2732, 0.3101, 0.3514.



This preview shows how white text looks on a background with the Yxy color 50.2732, 0.3101, 0.3514.

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

50.2732, 0.3101, 0.3514

Protanopia

50.1599, 0.3305, 0.3467

Deuteranopia

49.8174, 0.3396, 0.3327



Tritanopia

50.3385, 0.2937, 0.3101

Trichromacy



Original Color

50.2732, 0.3101, 0.3514

Protanomaly

50.0160, 0.3226, 0.3483

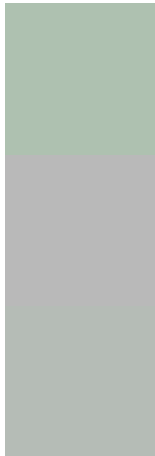
Deuteranomaly

49.6080, 0.3284, 0.3391

Tritanomaly

50.0691, 0.2993, 0.3238

Monochromacy



Original Color

50.2732, 0.3101, 0.3514

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1676, 0.3115, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2732, 0.3101, 0.3514 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(174, 193, 176)` looks like.

```
.text, #text, p{  
    color:rgb(174, 193, 176)  
}
```

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(174, 193, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 193, 176) }
```

Border

The CSS property to change the border of an element to Yxy 50.2732, 0.3101, 0.3514 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(174, 193, 176) }
```

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

```
.border{ border-color:rgb(174, 193, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 193, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 193, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 193, 176);  
box-shadow:4px 4px 4px 4px rgb(174, 193,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2732, 0.3101, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 193, 176) }
```

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

```
.background{ background-color: rgb(174,  
193, 176) }
```

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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