

Converting Colors

$Y_{xy}(52.0385, 0.3065, 0.3468)$

Have a look what the booklet for
Yxy(52.0385, 0.3065, 0.3468)
contains.

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Color

Yxy(51.9712, 0.3064, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	AFC4B6
RGB	175, 196, 182
RGB Percent	69%, 77%, 71%
CMY	0.3136, 0.2314, 0.2864
CMYK	0.11, 0.00, 0.07, 0.23
HSL	140°, 15%, 73%
HSV	140°, 11%, 77%
XYZ	45.8640, 51.9712, 51.8515
YIQ	188.1250, -8.0220, -8.8060

Conversions

Conversions Part 2

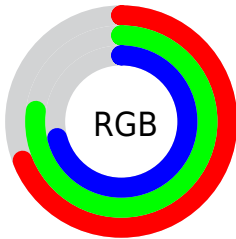
Format	Color
RYB	175, 191, 196
Decimal	11519158
CIELab	77.26, -9.82, 4.62
CIELCh	77, 10.853, 154.821
Yxy	51.9712, 0.3064, 0.3472
Android (android.graphics.Color)	4289709238 (0xFFAFC4B6)
YUV	188.1250, -3.0196, -11.5106
Hunter-Lab	72.0911, -12.5985, 7.8194

Details

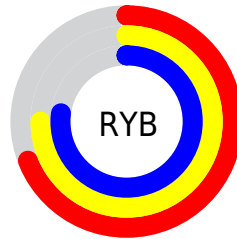
The Yxy color **51.9712, 0.3064, 0.3472** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0830, 0.3196, 0.3115**, and the grayscale version is **50.3873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4125, 0.3077, 0.3441**, and **25.0686, 0.3043, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **49.3502, 0.3006, 0.3664**, and if you desaturate by 10%, it is **54.9766, 0.3123, 0.3301**.

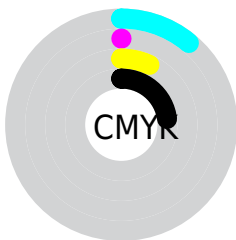
Distribution



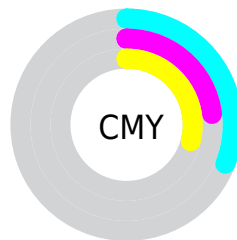
- Red (69%)
- Green (77%)
- Blue (71%)



- Red (69%)
- Yellow (75%)
- Blue (77%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9712, 0.3064, 0.3472 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 51.9712, 0.3064, 0.3472 by changing the saturation by 10% instead.

■ 51.9712, 0.3064,
0.3472

■ 51.9712, 0.3064,
0.3472

394.3254, 0.3096,
0.3382

■ 36.9821, 0.3056,
0.3494

■ 93.0888, 0.3076,
0.3439

■ 25.1936, 0.3046,
0.3523

119.9860, 0.3080,
0.3427

■ 16.2214, 0.3032,
0.3562

151.6215, 0.3083,
0.3416

■ 9.6809, 0.3013,
0.3615

188.3795, 0.3087,
0.3407

■ 5.1879, 0.2985,
0.3694

230.6446, 0.3089,
0.3400

■ 2.3579, 0.2938,
0.3825

278.8009, 0.3092,

■ 0.8041, 0.2788,

0.3393

0.4274

333.2331, 0.3094,
0.3387

0.0000, 0.0000,
0.0000

51.9712, 0.3064,
0.3472

51.9712, 0.3064,
0.3472

49.3502, 0.3006,
0.3664

54.9766, 0.3123,
0.3301

47.0915, 0.2951,
0.3877

58.3744, 0.3181,
0.3151

45.1806, 0.2901,
0.4109

62.1805, 0.3238,
0.3018

43.5998, 0.2860,
0.4356

66.4082, 0.3293,
0.2903

42.3293, 0.2831,
0.4613

67.4891, 0.3208,
0.2781

■ 41.3477, 0.2817,
0.4871

■ 67.9603, 0.3154,
0.2712

■ 40.6301, 0.2820,
0.5118

■ 40.1477, 0.2839,
0.5343

■ 39.8603, 0.2868,
0.5526

Harmonies

Analogous

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



51.9712, 0.3211, 0.3540



51.9712, 0.3064, 0.3472



51.9712, 0.2936, 0.3352

Triad

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



51.9712, 0.3064, 0.3472



51.9712, 0.2917, 0.3048



51.9712, 0.3403, 0.3353

Complementary

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



51.9712, 0.3064, 0.3472



46.0830, 0.3196, 0.3115

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.



51.9712, 0.3321, 0.3226



51.9712, 0.3064, 0.3472



51.9712, 0.3038, 0.3053

Square

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



51.9712, 0.3064, 0.3472



51.9712, 0.2852, 0.3107



51.9712, 0.3186, 0.3118



51.9712, 0.3410, 0.3466

Rectangle

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



51.9712, 0.3064, 0.3472



51.9712, 0.2877, 0.3261



51.9712, 0.3186, 0.3118



51.9712, 0.3383, 0.3310

Sweetspot

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



51.9734, 0.3064, 0.3472



98.2525, 0.3109, 0.3339



53.4413, 0.3230, 0.3555



20.9325, 0.3104, 0.3353



0.0000, 0.0000, 0.0000



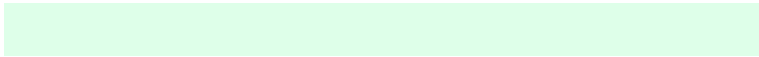
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9734, 0.3064, 0.3472



92.8988, 0.3049, 0.3518



52.4101, 0.2992, 0.3339



11.3126, 0.3072, 0.3448



25.6261, 0.2861, 0.5501



1.1201, 0.2730, 0.5027

Inverse Universe

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



46.0830, 0.3196, 0.3115



79.9564, 0.3214, 0.3072



45.6557, 0.3282, 0.3242



10.1890, 0.3187, 0.3137



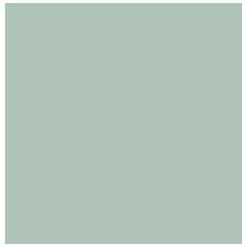
8.6127, 0.4251, 0.2115



0.3844, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 51.9712, 0.3064, 0.3472 looks on a white background.

Color Contrast Check

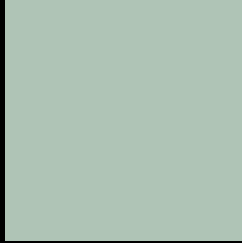
Large Text (above 18pt) WCAG AA × Fail

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 51.9712, 0.3064, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

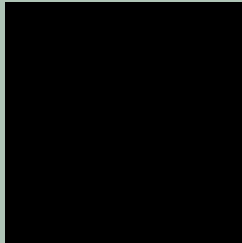
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

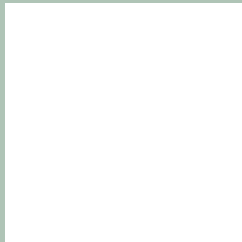
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9712, 0.3064, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 51.9712, 0.3064, 0.3472.



This preview shows how white text looks on a background with the Yxy color 51.9712, 0.3064, 0.3472.

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

51.9712, 0.3064, 0.3472

Protanopia

51.9519, 0.3270, 0.3427

Deuteranopia

51.5906, 0.3359, 0.3291



Tritanopia

51.7880, 0.2917, 0.3102

Trichromacy



Original Color

51.9712, 0.3064, 0.3472

Protanomaly

51.8134, 0.3194, 0.3442

Deuteranomaly

51.3911, 0.3250, 0.3352

Tritanomaly

51.6821, 0.2973, 0.3226

Monochromacy



Original Color

51.9712, 0.3064, 0.3472

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.8741, 0.3100, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9712, 0.3064, 0.3472 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, 196, 182)` looks like.

```
.text, #text, p{  
    color:rgb(175, 196, 182)  
}
```

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, 196, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 196, 182) }
```

Border

The CSS property to change the border of an element to Yxy 51.9712, 0.3064, 0.3472 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, 196, 182) }
```

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

```
.border{ border-color:rgb(175, 196, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 196, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 196, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 196, 182); box-shadow:4px 4px 4px 4px rgb(175, 196, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9712, 0.3064, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 196, 182) }
```

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

```
.background{ background-color: rgb(175,  
196, 182) }
```

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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