

Converting Colors

$Yxy(65.0177, 0.3186, 0.3515)$

Have a look what the booklet for
Yxy(65.0177, 0.3186, 0.3515)
contains.

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Color

Yxy(64.8706, 0.3183, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	CCD6C3
RGB	204, 214, 195
RGB Percent	80%, 84%, 76%
CMY	0.2001, 0.1607, 0.2353
CMYK	0.05, 0.00, 0.09, 0.16
HSL	92°, 19%, 80%
HSV	92°, 9%, 84%
XYZ	58.7936, 64.8706, 61.0471
YIQ	208.8440, 0.1390, -8.0290

Conversions

Conversions Part 2

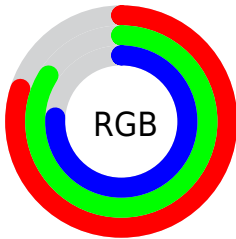
Format	Color
R _{YB}	195, 214, 205
Decimal	13424323
CIE Lab	84.42, -6.81, 8.22
CIE LCh	84, 10.670, 129.647
Yxy	64.8706, 0.3183, 0.3512
Android (android.graphics.Color)	4291614403 (0xFFCCD6C3)
YUV	208.8440, -6.8251, -4.2482
Hunter-Lab	80.5423, -10.6490, 11.4407

Details

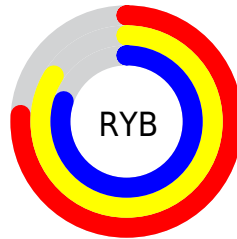
The Yxy color **64.8706, 0.3183, 0.3512** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8653, 0.3067, 0.3069**, and the grayscale version is **63.6980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **33.2034, 0.3202, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **62.4361, 0.3245, 0.3783**, and if you desaturate by 10%, it is **67.5651, 0.3120, 0.3263**.

Distribution



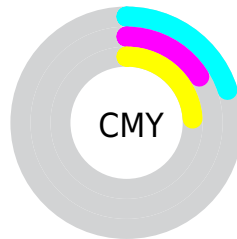
- Red (80%)
- Green (84%)
- Blue (76%)



- Red (76%)
- Yellow (84%)
- Blue (80%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)



- Cyan (20%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8706, 0.3183, 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 64.8706, 0.3183, 0.3512 by changing the saturation by 10% instead.

■ 64.8706, 0.3183,
0.3512

■ 64.8706, 0.3183,
0.3512

442.3268, 0.3157,
0.3406

■ 47.3562, 0.3189,
0.3537

111.8638, 0.3174,
0.3474

■ 33.3173, 0.3196,
0.3569

142.1114, 0.3171,
0.3460

■ 22.3696, 0.3205,
0.3610

177.3721, 0.3168,
0.3448

■ 14.1288, 0.3217,
0.3665

218.0303, 0.3165,
0.3437

■ 8.2103, 0.3233,
0.3742

264.4705, 0.3163,
0.3428

■ 4.2298, 0.3255,
0.3860

317.0771, 0.3161,

■ 1.8029, 0.3288,

0.3420

0.4060

376.2344, 0.3159,
0.3412

0.4890, 0.3791,
0.6209

0.0000, 0.0000,
0.0000

64.8706, 0.3183,
0.3512

64.8706, 0.3183,
0.3512

62.4361, 0.3245,
0.3783

67.5651, 0.3120,
0.3263

60.2449, 0.3304,
0.4071

70.5190, 0.3058,
0.3038

58.2909, 0.3355,
0.4372

73.4694, 0.3026,
0.2876

56.5648, 0.3397,
0.4675

75.4833, 0.3105,
0.2886

■ 55.0563, 0.3423,
0.4967

■ 76.5791, 0.3146,
0.2891

■ 53.7545, 0.3430,
0.5231

■ 52.6470, 0.3416,
0.5453

■ 51.7196, 0.3381,
0.5620

■ 50.9516, 0.3329,
0.5733

Harmonies

Analogous

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



64.8706, 0.3304, 0.3520



64.8706, 0.3183, 0.3512



64.8706, 0.3049, 0.3441

Triad

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



64.8706, 0.3183, 0.3512



64.8706, 0.2881, 0.3110



64.8706, 0.3320, 0.3250

Complementary

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



64.8706, 0.3183, 0.3512



56.8653, 0.3067, 0.3069

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.



64.8706, 0.3203, 0.3146



64.8706, 0.3183, 0.3512



64.8706, 0.2950, 0.3066

Square

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



64.8706, 0.3183, 0.3512



64.8706, 0.2876, 0.3205



64.8706, 0.3067, 0.3079



64.8706, 0.3385, 0.3366

Rectangle

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



64.8706, 0.3183, 0.3512



64.8706, 0.2970, 0.3368



64.8706, 0.3067, 0.3079



64.8706, 0.3285, 0.3213

Sweetspot

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



64.8734, 0.3183, 0.3512



98.7597, 0.3146, 0.3364



61.8139, 0.3269, 0.3404



21.0690, 0.3151, 0.3384



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.



64.8734, 0.3183, 0.3512



95.6244, 0.3197, 0.3570



63.6544, 0.3114, 0.3513



14.1808, 0.3186, 0.3526



30.8067, 0.3333, 0.5735



1.9072, 0.3468, 0.5628

Inverse Universe

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



56.8653, 0.3067, 0.3069



80.9630, 0.3051, 0.3011



58.1644, 0.3140, 0.3077



12.3278, 0.3063, 0.3055



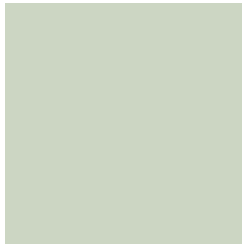
5.1141, 0.2083, 0.0921



0.3576, 0.2267, 0.1023

Previews

White Background



This preview shows how the Yxy color 64.8706, 0.3183, 0.3512 looks on a white background.

Color Contrast Check

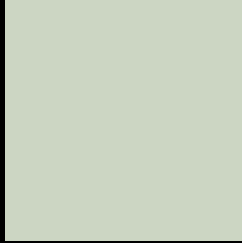
Large Text (above 18pt) WCAG AA × Fail

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 64.8706, 0.3183, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

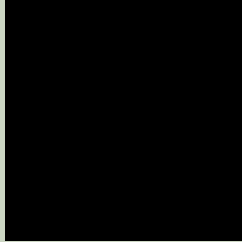
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

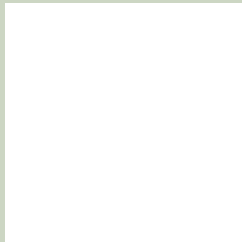
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8706, 0.3183, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 64.8706, 0.3183, 0.3512.



This preview shows how white text looks on a background with the Yxy color 64.8706, 0.3183, 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

64.8706, 0.3183, 0.3512

Protanopia

64.8489, 0.3308, 0.3484

Deuteranopia

64.5760, 0.3432, 0.3356



Tritanopia

64.6472, 0.3012, 0.3099

Trichromacy



Original Color

64.8706, 0.3183, 0.3512

Protanomaly

64.6297, 0.3261, 0.3485

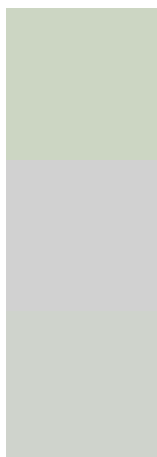
Deuteranomaly

64.4585, 0.3337, 0.3414

Tritanomaly

64.7602, 0.3071, 0.3244

Monochromacy



Original Color

64.8706, 0.3183, 0.3512

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.2136, 0.3146, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8706, 0.3183, 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(204, 214, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 214, 195)  
}
```

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(204, 214, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 214, 195) }
```

Border

The CSS property to change the border of an element to Yxy 64.8706, 0.3183, 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(204, 214, 195) }
```

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

```
.border{ border-color:rgb(204, 214, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 214, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 214, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 214, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 214,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8706, 0.3183, 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(204, 214, 195) }
```

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

```
.background{ background-color: rgb(204,  
214, 195) }
```

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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