

Converting Colors

Yxy(66.6069, 0.3158, 0.3490)

Have a look what the booklet for
Yxy(66.6069, 0.3158, 0.3490)
contains.

Yxy(66.7284, 0.3161, 0.3498)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.7284, 0.3161, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	CDD9C7
RGB	205, 217, 199
RGB Percent	80%, 85%, 78%
CMY	0.1960, 0.1490, 0.2196
CMYK	0.06, 0.00, 0.08, 0.15
HSL	100°, 19%, 82%
HSV	100°, 8%, 85%
XYZ	60.2997, 66.7284, 63.7334
YIQ	211.3600, -1.3740, -8.1420

Conversions

Conversions Part 2

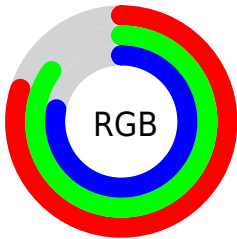
Format	Color
RYB	199, 217, 211
Decimal	13490631
CIELab	85.37, -7.29, 7.47
CIELCh	85, 10.440, 134.321
Yxy	66.7284, 0.3161, 0.3498
Android (android.graphics.Color)	4291680711 (0xFFCDD9C7)
YUV	211.3600, -6.0935, -5.5777
Hunter-Lab	81.6875, -11.1886, 10.9225

Details

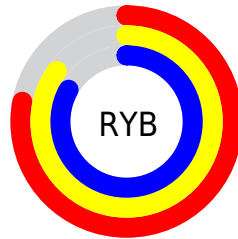
The Yxy color **66.7284, 0.3161, 0.3498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7049, 0.3090, 0.3085**, and the grayscale version is **65.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4643, 0.3172, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **63.8318, 0.3200, 0.3773**, and if you desaturate by 10%, it is **69.9645, 0.3120, 0.3250**.

Distribution



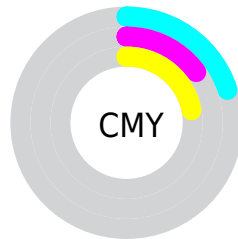
- Red (80%)
- Green (85%)
- Blue (78%)



- Red (78%)
- Yellow (85%)
- Blue (83%)



- Cyan (6%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7284, 0.3161, 0.3498 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 66.7284, 0.3161, 0.3498 by changing the saturation by 10% instead.

■ 66.7284, 0.3161,
0.3498

■ 66.7284, 0.3161,
0.3498

448.9774, 0.3146,
0.3399

■ 48.8639, 0.3164,
0.3521

114.5312, 0.3156,
0.3463

■ 34.5116, 0.3169,
0.3551

145.2382, 0.3154,
0.3450

■ 23.2869, 0.3174,
0.3588

180.9950, 0.3152,
0.3438

■ 14.8055, 0.3180,
0.3639

222.1858, 0.3150,
0.3428

■ 8.6830, 0.3189,
0.3710

269.1950, 0.3149,
0.3420

■ 4.5350, 0.3201,
0.3817

322.4071, 0.3148,

■ 1.9771, 0.3217,

0.3412

0.3997

382.2064, 0.3147,
0.3405

0.5941, 0.3497,
0.5374

0.0000, 0.0000,
0.0000

66.7284, 0.3161,
0.3498

66.7284, 0.3161,
0.3498

63.8318, 0.3200,
0.3773

69.9645, 0.3120,
0.3250

61.2550, 0.3236,
0.4070

73.5421, 0.3080,
0.3027

58.9889, 0.3266,
0.4385

76.8741, 0.3098,
0.2915

57.0209, 0.3287,
0.4707

78.1075, 0.3145,
0.2920

■ 55.3376, 0.3295,
0.5022

■ 53.9242, 0.3288,
0.5310

■ 52.7645, 0.3264,
0.5552

■ 51.8401, 0.3224,
0.5735

■ 51.1267, 0.3174,
0.5852

Harmonies

Analogous

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



66.7284, 0.3283, 0.3516



66.7284, 0.3161, 0.3498



66.7284, 0.3032, 0.3421

Triad

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



66.7284, 0.3161, 0.3498



66.7284, 0.2895, 0.3106



66.7284, 0.3328, 0.3269

Complementary

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



66.7284, 0.3161, 0.3498



59.7049, 0.3090, 0.3085

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.



66.7284, 0.3220, 0.3165



66.7284, 0.3161, 0.3498



66.7284, 0.2971, 0.3071

Square

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



66.7284, 0.3161, 0.3498



66.7284, 0.2880, 0.3191



66.7284, 0.3089, 0.3093



66.7284, 0.3381, 0.3380

Rectangle

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



66.7284, 0.3161, 0.3498



66.7284, 0.2959, 0.3347



66.7284, 0.3089, 0.3093



66.7284, 0.3297, 0.3232

Sweetspot

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



66.7313, 0.3161, 0.3498



99.0371, 0.3135, 0.3339



65.3164, 0.3257, 0.3423



21.2081, 0.3135, 0.3336



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.



66.7313, 0.3161, 0.3498



95.3840, 0.3168, 0.3545



66.0197, 0.3099, 0.3469



14.8163, 0.3166, 0.3528



30.9364, 0.3175, 0.5861



2.0504, 0.3302, 0.5760

Inverse Universe

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



59.7049, 0.3090, 0.3085



83.2173, 0.3082, 0.3039



60.4695, 0.3156, 0.3118



13.0459, 0.3085, 0.3056



6.7137, 0.2386, 0.1088



0.4813, 0.2523, 0.1163

Previews

White Background



This preview shows how the Yxy color 66.7284, 0.3161, 0.3498 looks on a white background.

Color Contrast Check

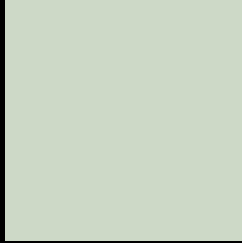
Large Text (above 18pt) WCAG AA × Fail

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 66.7284, 0.3161, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

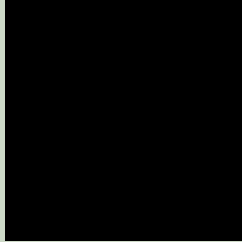
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

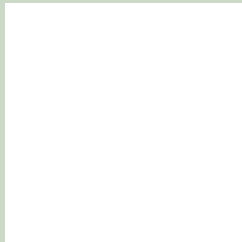
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7284, 0.3161, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 66.7284, 0.3161, 0.3498.



This preview shows how white text looks on a background with the Yxy color 66.7284, 0.3161, 0.3498.

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

66.7284, 0.3161, 0.3498

Protanopia

66.4446, 0.3307, 0.3470

Deuteranopia

66.5368, 0.3412, 0.3345



Tritanopia

66.9473, 0.2999, 0.3112

Trichromacy



Original Color

66.7284, 0.3161, 0.3498

Protanomaly

66.5714, 0.3252, 0.3483

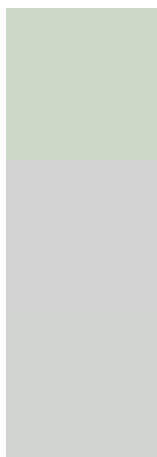
Deuteranomaly

66.4321, 0.3320, 0.3401

Tritanomaly

66.5650, 0.3057, 0.3245

Monochromacy



Original Color

66.7284, 0.3161, 0.3498

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.6488, 0.3139, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7284, 0.3161, 0.3498 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(205, 217, 199)` looks like.

```
.text, #text, p{  
    color:rgb(205, 217, 199)  
}
```

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(205, 217, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 217, 199) }
```

Border

The CSS property to change the border of an element to Yxy 66.7284, 0.3161, 0.3498 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(205, 217, 199) }
```

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

```
.border{ border-color:rgb(205, 217, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 217, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 217, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 217, 199); box-shadow:4px 4px 4px 4px rgb(205, 217, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7284, 0.3161, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 217, 199) }
```

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

```
.background{ background-color: rgb(205,  
217, 199) }
```

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