

# Converting Colors

Yxy(66.6621, 0.3152, 0.3695)

Have a look what the booklet for  
Yxy(66.6621, 0.3152, 0.3695)  
contains.

<b>Yxy(66.6382, 0.3151, 0.3695)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.6382, 0.3151, 0.3695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1DDBB
RGB	193, 221, 187
RGB Percent	76%, 87%, 73%
CMY	0.2429, 0.1334, 0.2667
CMYK	0.13, 0.00, 0.15, 0.13
HSL	109°, 33%, 80%
HSV	109°, 15%, 87%
XYZ	56.8273, 66.6382, 56.8814
YIQ	208.7520, -5.7740, -16.5100

# Conversions

## Conversions Part 2

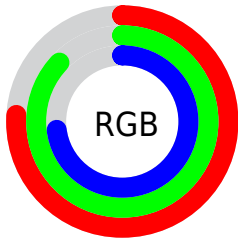
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 221, 215
Decimal	12705211
CIELab	85.32, -15.51, 13.61
CIELCh	85, 20.636, 138.720
Yxy	66.6382, 0.3151, 0.3695
Android (android.graphics.Color)	4290895291 (0xFFC1DDBB)
YUV	208.7520, -10.7237, -13.8145
Hunter-Lab	81.6322, -18.5957, 15.8292

# Details

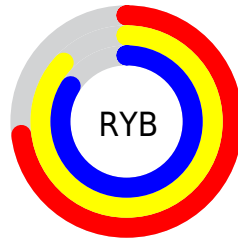
The Yxy color **66.6382, 0.3151, 0.3695** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.2009, 0.3097, 0.2906**, and the grayscale version is **63.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3151, 0.3165, 0.3406**, and **34.4826, 0.3149, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **63.5224, 0.3163, 0.3996**, and if you desaturate by 10%, it is **70.1987, 0.3136, 0.3424**.

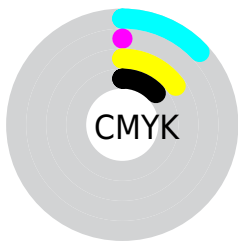
# Distribution



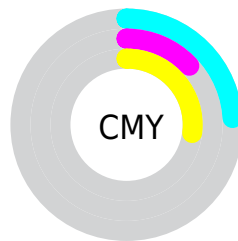
- Red (76%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (84%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)




- Cyan (24%)
- Magenta (13%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6382, 0.3151, 0.3695 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 66.6382, 0.3151, 0.3695 by changing the saturation by 10% instead.




 66.6382, 0.3151,  
0.3695

 66.6382, 0.3151,  
0.3695


448.6559, 0.3142,  
0.3500

 48.7907, 0.3152,  
0.3742

 114.4018, 0.3148,  
0.3626

 34.4534, 0.3154,  
0.3800


145.0867, 0.3147,  
0.3599

 23.2422, 0.3155,  
0.3877


180.8195, 0.3146,  
0.3576

 14.7724, 0.3155,  
0.3980

221.9846, 0.3145,  
0.3557

 8.6598, 0.3153,  
0.4126

268.9664, 0.3144,  
0.3540

 4.5200, 0.3145,  
0.4349


322.1493, 0.3144,

 1.9685, 0.3118,


0.3525


0.4731


381.9176, 0.3143,  
0.3512


 0.5891, 0.2354,  
0.7646

 0.0000, 0.0000,  
0.0000


 66.6382, 0.3151,  
0.3695


 66.6382, 0.3151,  
0.3695


 63.5224, 0.3163,  
0.3996


 70.1987, 0.3136,  
0.3424


 60.8256, 0.3172,  
0.4321

 74.2117, 0.3119,  
0.3182

 58.5322, 0.3174,  
0.4661

 78.6954, 0.3102,  
0.2971

 56.6224, 0.3169,  
0.5000

 80.1893, 0.3143,  
0.2960

■ 55.0749, 0.3155,  
0.5316

■ 53.8660, 0.3132,  
0.5588

■ 52.9689, 0.3101,  
0.5792

■ 52.3528, 0.3066,  
0.5920

■ 52.1467, 0.3052,  
0.5959

# Harmonies

## Analogous

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



66.6382, 0.3400, 0.3744



66.6382, 0.3151, 0.3695



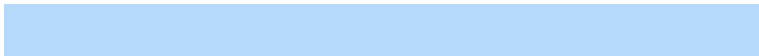
66.6382, 0.2903, 0.3522

# Triad

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



66.6382, 0.3151, 0.3695



66.6382, 0.2689, 0.2909



66.6382, 0.3550, 0.3275

# Complementary

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



66.6382, 0.3151, 0.3695



55.2009, 0.3097, 0.2906

# 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.



66.6382, 0.3345, 0.3072



66.6382, 0.3151, 0.3695



66.6382, 0.2848, 0.2864

# Square

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



66.6382, 0.3151, 0.3695



66.6382, 0.2643, 0.3058



66.6382, 0.3087, 0.2925



66.6382, 0.3636, 0.3489



# Rectangle

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



66.6382, 0.3151, 0.3695



66.6382, 0.2771, 0.3365



66.6382, 0.3087, 0.2925



66.6382, 0.3492, 0.3204

# Sweetspot

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



66.6411, 0.3151, 0.3695



97.2717, 0.3135, 0.3415



67.4386, 0.3367, 0.3603



20.7408, 0.3137, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

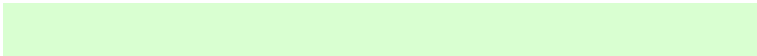


# Same Dimension

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



66.6411, 0.3151, 0.3695



90.9206, 0.3155, 0.3775



66.3409, 0.3039, 0.3567



14.7170, 0.3142, 0.3530



30.3296, 0.3058, 0.5954



1.9989, 0.3160, 0.5873



# Inverse Universe

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



55.2009, 0.3097, 0.2906



72.6144, 0.3090, 0.2834



55.5774, 0.3228, 0.3028



13.1516, 0.3110, 0.3058



8.8330, 0.2765, 0.1297



0.6035, 0.2841, 0.1339



# Previews

## White Background



This preview shows how the Yxy color 66.6382, 0.3151, 0.3695 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 66.6382, 0.3151, 0.3695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

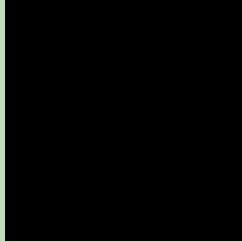
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

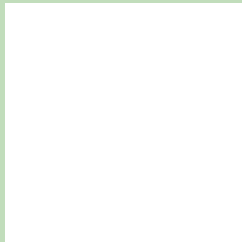
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.6382, 0.3151, 0.3695**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6382, 0.3151, 0.3695.

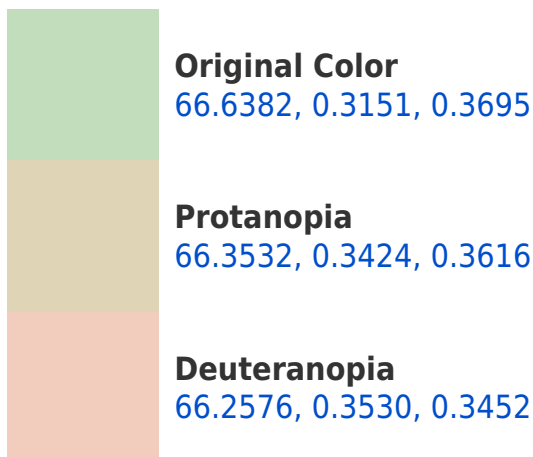


This preview shows how white text looks on a background with the Yxy color 66.6382, 0.3151, 0.3695.

# 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





## Tritanopia

66.7064, 0.2911, 0.3098

# Trichromacy



## Original Color

66.6382, 0.3151, 0.3695

## Protanomaly

66.2077, 0.3327, 0.3647

## Deuteranomaly

66.1099, 0.3383, 0.3537

## Tritanomaly

66.4539, 0.2992, 0.3301

# Monochromacy



## Original Color

66.6382, 0.3151, 0.3695

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.5021, 0.3135, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6382, 0.3151, 0.3695 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(193, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(193, 221, 187)  
}
```

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(193, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 221, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6382, 0.3151, 0.3695 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(193, 221, 187) }
```

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

```
.border{ border-color:rgb(193, 221, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 221, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 221, 187); box-shadow:4px 4px 4px 4px rgb(193, 221, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6382, 0.3151, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 221, 187) }
```

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

```
.background{ background-color: rgb(193,  
221, 187) }
```

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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