

# Converting Colors

Yxy(62.1007, 0.3046, 0.3421)

Have a look what the booklet for  
Yxy(62.1007, 0.3046, 0.3421)  
contains.

<b>Yxy(62.2512, 0.3041, 0.3422)</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(62.2512, 0.3041, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BED4C9
RGB	190, 212, 201
RGB Percent	75%, 83%, 79%
CMY	0.2549, 0.1686, 0.2119
CMYK	0.10, 0.00, 0.05, 0.17
HSL	150°, 20%, 79%
HSV	150°, 10%, 83%
XYZ	55.3203, 62.2512, 64.3432
YIQ	204.1680, -9.5810, -8.0850

# Conversions

## Conversions Part 2

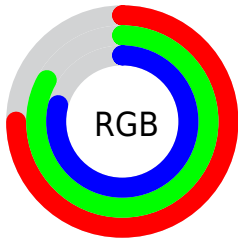
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 205, 212
Decimal	12506313
CIELab	83.05, -9.46, 2.94
CIELCh	83, 9.908, 162.755
Yxy	62.2512, 0.3041, 0.3422
Android (android.graphics.Color)	4290696393 (0xFFBED4C9)
YUV	204.1680, -1.5618, -12.4253
Hunter-Lab	78.8994, -12.9189, 6.8781

# Details

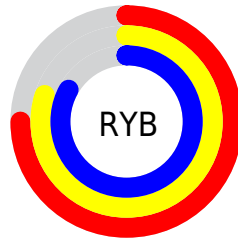
The Yxy color  $62.2512, 0.3041, 0.3422$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $55.0471, 0.3223, 0.3162$ , and the grayscale version is  $60.5112, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.3328, 0.3072, 0.3290$ , and  $31.5389, 0.3024, 0.3450$  is the 20% darker color. If you saturate the color by 10%, you get  $59.2364, 0.2960, 0.3564$ , and if you desaturate by 10%, it is  $65.7030, 0.3124, 0.3295$ .

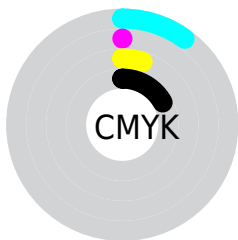
# Distribution



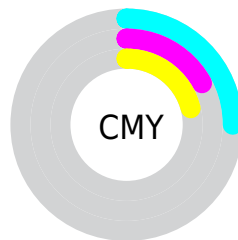
- Red (75%)
- Green (83%)
- Blue (79%)



- Red (75%)
- Yellow (80%)
- Blue (83%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (17%)




- Cyan (25%)
- Magenta (17%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2512, 0.3041, 0.3422 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 62.2512, 0.3041, 0.3422 by changing the saturation by 10% instead.





 62.2512, 0.3041,  
0.3422

 62.2512, 0.3041,  
0.3422


432.8468, 0.3082,  
0.3359

 45.2357, 0.3031,  
0.3437


 108.0885, 0.3056,  
0.3400

 31.6431, 0.3019,  
0.3456


137.6791, 0.3061,  
0.3391

 21.0891, 0.3003,  
0.3481


172.2302, 0.3066,  
0.3384

 13.1891, 0.2981,  
0.3514

212.1262, 0.3070,  
0.3377

 7.5589, 0.2951,  
0.3562

257.7514, 0.3074,  
0.3372

 3.8140, 0.2904,  
0.3634

309.4903, 0.3077,

 1.5701, 0.2824,

0.3367

0.3761

367.7273, 0.3080,  
0.3362

0.3373, 0.1522,  
0.5729

0.0000, 0.0000,  
0.0000

62.2512, 0.3041,  
0.3422

62.2512, 0.3041,  
0.3422

59.2364, 0.2960,  
0.3564

65.7030, 0.3124,  
0.3295

56.6328, 0.2885,  
0.3722


69.6006, 0.3207,  
0.3181


54.4242, 0.2817,  
0.3893


73.9624, 0.3290,  
0.3081

52.5900, 0.2760,  
0.4076


74.8505, 0.3225,  
0.2979


 51.1075, 0.2717,  
0.4268

 75.5132, 0.3153,  
0.2879

 49.9520, 0.2692,  
0.4465

 75.5697, 0.3147,  
0.2871

 49.0948, 0.2686,  
0.4662

 48.5023, 0.2701,  
0.4853

 48.1244, 0.2730,  
0.5027

# Harmonies

## Analogous

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



62.2512, 0.3167, 0.3494



62.2512, 0.3041, 0.3422



62.2512, 0.2940, 0.3313

# Triad

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



62.2512, 0.3041, 0.3422



62.2512, 0.2970, 0.3077



62.2512, 0.3372, 0.3373

# Complementary

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



62.2512, 0.3041, 0.3422



55.0471, 0.3223, 0.3162

# 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.



62.2512, 0.3317, 0.3264



62.2512, 0.3041, 0.3422



62.2512, 0.3084, 0.3096

# Square

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



62.2512, 0.3041, 0.3422



62.2512, 0.2899, 0.3114



62.2512, 0.3211, 0.3163



62.2512, 0.3360, 0.3463



# Rectangle

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



62.2512, 0.3041, 0.3422



62.2512, 0.2899, 0.3236



62.2512, 0.3211, 0.3163



62.2512, 0.3361, 0.3337

# Sweetspot

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



62.2538, 0.3041, 0.3422



98.3333, 0.3102, 0.3327



63.2771, 0.3200, 0.3550



20.9543, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

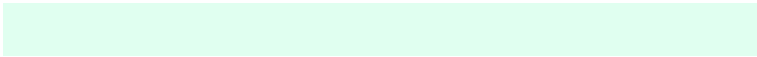


# Same Dimension

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



62.2538, 0.3041, 0.3422



93.7023, 0.3027, 0.3446



62.7731, 0.2971, 0.3294



13.9982, 0.3049, 0.3409



29.7281, 0.2723, 0.5002



1.8098, 0.2635, 0.4685



# Inverse Universe

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



55.0471, 0.3223, 0.3162



81.0625, 0.3241, 0.3139



54.5624, 0.3307, 0.3286



12.5236, 0.3213, 0.3174



9.3074, 0.4941, 0.2496



0.5781, 0.4562, 0.2287



# Previews

## White Background



This preview shows how the Yxy color 62.2512, 0.3041, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

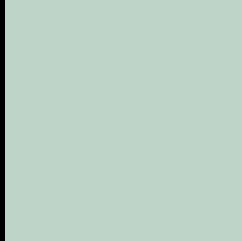
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2512, 0.3041, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

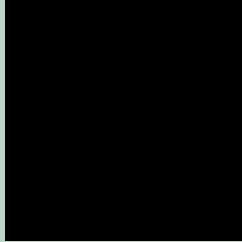
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

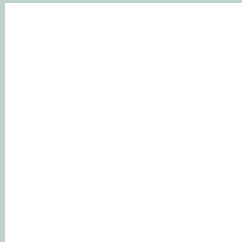
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2512, 0.3041, 0.3422**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2512, 0.3041, 0.3422.

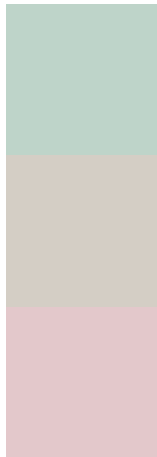


This preview shows how white text looks on a background with the Yxy color 62.2512, 0.3041, 0.3422.

# 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

62.2512, 0.3041, 0.3422

### Protanopia

62.1709, 0.3237, 0.3394

### Deuteranopia

61.9512, 0.3318, 0.3257



## Tritanopia

62.0173, 0.2912, 0.3093

# Trichromacy



## Original Color

62.2512, 0.3041, 0.3422

## Protanomaly

62.0263, 0.3167, 0.3407

## Deuteranomaly

61.7461, 0.3219, 0.3313

## Tritanomaly

61.8963, 0.2963, 0.3207

# Monochromacy



## Original Color

62.2512, 0.3041, 0.3422

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.0796, 0.3095, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2512, 0.3041, 0.3422 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(190, 212, 201)` looks like.

```
.text, #text, p{  
    color:rgb(190, 212, 201)  
}
```

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(190, 212, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 212, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2512, 0.3041, 0.3422 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(190, 212, 201) }
```

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

```
.border{ border-color:rgb(190, 212, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 212, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 212, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 212, 201);  
box-shadow:4px 4px 4px 4px rgb(190, 212,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2512, 0.3041, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 212, 201) }
```

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

```
.background{ background-color: rgb(190,  
212, 201) }
```

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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