

Converting Colors

Yxy(65.5685, 0.3123, 0.4210)

Have a look what the booklet for
Yxy(65.5685, 0.3123, 0.4210)
contains.

Yxy(65.5685, 0.3123, 0.4210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.5685, 0.3123, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	A2E49C
RGB	162, 228, 156
RGB Percent	64%, 89%, 61%
CMY	0.3648, 0.1058, 0.3883
CMYK	0.29, 0.00, 0.32, 0.11
HSL	115°, 57%, 75%
HSV	115°, 32%, 89%
XYZ	48.6391, 65.5685, 41.5371
YIQ	200.0580, -16.2240, -36.3840

Conversions

Conversions Part 2

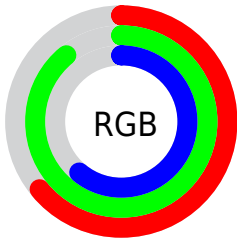
Format	Color
RYB	156, 228, 222
Decimal	10675356
CIELab	84.78, -34.45, 28.70
CIELCh	85, 44.836, 140.200
Yxy	65.5685, 0.3123, 0.4210
Android (android.graphics.Color)	4288865436 (0xFFA2E49C)
YUV	200.0580, -21.7206, -33.3769
Hunter-Lab	80.9744, -34.4852, 26.2683

Details

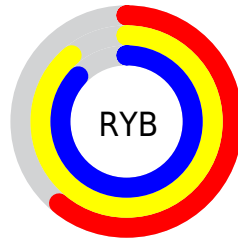
The Yxy color **65.5685, 0.3123, 0.4210** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.9070, 0.3111, 0.2494**, and the grayscale version is **57.9375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1286, 0.3149, 0.3754**, and **33.6927, 0.3104, 0.4463** is the 20% darker color. If you saturate the color by 10%, you get **62.8601, 0.3116, 0.4556**, and if you desaturate by 10%, it is **68.7913, 0.3127, 0.3885**.

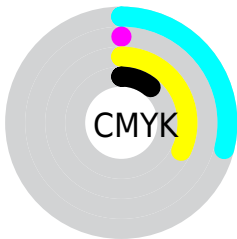
Distribution



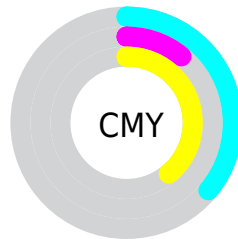
- Red (64%)
- Green (89%)
- Blue (61%)



- Red (61%)
- Yellow (89%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5685, 0.3123, 0.4210 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 65.5685, 0.3123, 0.4210 by changing the saturation by 10% instead.


 65.5685, 0.3123,
0.4210

 65.5685, 0.3123,
0.4210


444.8321, 0.3138,
0.3754

 47.9222, 0.3116,
0.4322


 112.8668, 0.3131,
0.4046

 33.7653, 0.3104,
0.4464


 143.2876, 0.3134,
0.3983

 22.7133, 0.3085,
0.4650


178.7353, 0.3135,
0.3931

 14.3820, 0.3053,
0.4903

219.5944, 0.3136,
0.3885

 8.3868, 0.2994,
0.5265

266.2492, 0.3137,
0.3846

 4.3434, 0.2873,
0.5815

319.0842, 0.3138,

 1.8675, 0.2765,


0.3811

0.7235


378.4837, 0.3138,
0.3781


 0.5287, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 65.5685, 0.3123,
0.4210

 65.5685, 0.3123,
0.4210

 62.8601, 0.3116,
0.4556


 68.7913, 0.3127,
0.3885


 60.6318, 0.3105,
0.4908

 72.5445, 0.3128,
0.3591

 58.8577, 0.3090,
0.5246

 76.8535, 0.3127,
0.3329

 57.5066, 0.3071,
0.5542

 81.7396, 0.3125,
0.3099

■ 56.5430, 0.3050,
0.5773

■ 83.9729, 0.3139,
0.3029

■ 55.9254, 0.3029,
0.5921

■ 55.6310, 0.3015,
0.5988

Harmonies

Analogous

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



65.5685, 0.3664, 0.4299



65.5685, 0.3123, 0.4210



65.5685, 0.2609, 0.3787

Triad

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



65.5685, 0.3123, 0.4210



65.5685, 0.2225, 0.2469



65.5685, 0.4076, 0.3250

Complementary

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



65.5685, 0.3123, 0.4210



44.9070, 0.3111, 0.2494

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.



65.5685, 0.3621, 0.2849



65.5685, 0.3123, 0.4210



65.5685, 0.2548, 0.2414

Square

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



65.5685, 0.3123, 0.4210



65.5685, 0.2123, 0.2742



65.5685, 0.3050, 0.2553



65.5685, 0.4245, 0.3686

Rectangle

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



65.5685, 0.3123, 0.4210



65.5685, 0.2349, 0.3408



65.5685, 0.3050, 0.2553



65.5685, 0.3950, 0.3109

Sweetspot

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



65.5713, 0.3123, 0.4210



94.8344, 0.3128, 0.3521



71.1429, 0.3621, 0.4018



20.1318, 0.3128, 0.3561



0.0000, 0.0000, 0.0000



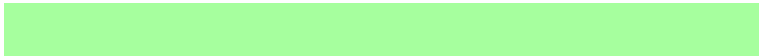
21.4041, 0.3127, 0.3290

Same Dimension

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



65.5713, 0.3123, 0.4210



82.1160, 0.3119, 0.4438



66.1043, 0.2909, 0.3822



16.1461, 0.3128, 0.3532



32.1404, 0.3019, 0.5985



2.3950, 0.3070, 0.5944

Inverse Universe

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



44.9070, 0.3111, 0.2494



51.4717, 0.3105, 0.2329



44.3448, 0.3432, 0.2815



14.5511, 0.3125, 0.3058



11.0908, 0.3002, 0.1427



0.8377, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 65.5685, 0.3123, 0.4210 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 65.5685, 0.3123, 0.4210 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 65.5685, 0.3123, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 65.5685, 0.3123, 0.4210.

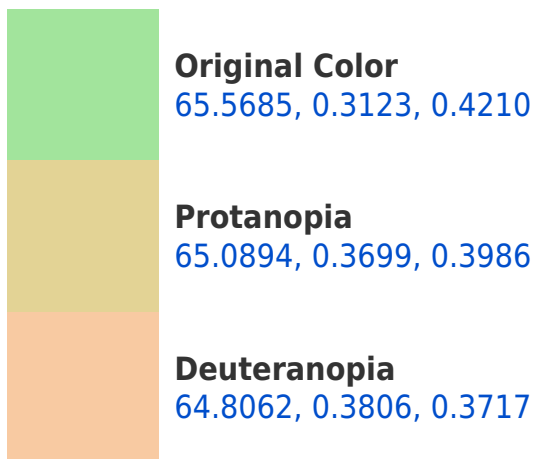


This preview shows how white text looks on a background with the Yxy color 65.5685, 0.3123, 0.4210.

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

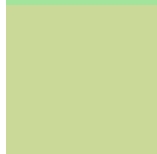
65.3711, 0.2741, 0.3091

Trichromacy



Original Color

65.5685, 0.3123, 0.4210



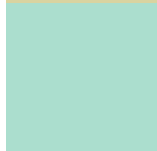
Protanomaly

64.5892, 0.3467, 0.4063



Deuteranomaly

63.8783, 0.3538, 0.3880



Tritanomaly

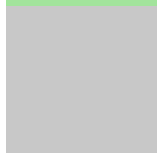
65.3567, 0.2882, 0.3484

Monochromacy



Original Color

65.5685, 0.3123, 0.4210



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.9930, 0.3127, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5685, 0.3123, 0.4210 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(162, 228, 156)` looks like.

```
.text, #text, p{  
    color:rgb(162, 228, 156)  
}
```

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(162, 228, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 228, 156) }
```

Border

The CSS property to change the border of an element to Yxy 65.5685, 0.3123, 0.4210 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(162, 228, 156) }
```

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

```
.border{ border-color:rgb(162, 228, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 228, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 228, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 228, 156); box-shadow:4px 4px 4px 4px rgb(162, 228, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5685, 0.3123, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 228, 156) }
```

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

```
.background{ background-color: rgb(162,  
228, 156) }
```

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