

Converting Colors

$Yxy(65.5978, 0.2944, 0.3624)$

Have a look what the booklet for
Yxy(65.5978, 0.2944, 0.3624)
contains.

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Color

Yxy(65.4188, 0.2942, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	ABDFC4
RGB	171, 223, 196
RGB Percent	67%, 87%, 77%
CMY	0.3297, 0.1254, 0.2313
CMYK	0.23, 0.00, 0.12, 0.13
HSL	149°, 45%, 77%
HSV	149°, 23%, 87%
XYZ	53.1370, 65.4188, 62.0594
YIQ	204.3740, -22.3250, -19.4210

Conversions

Conversions Part 2

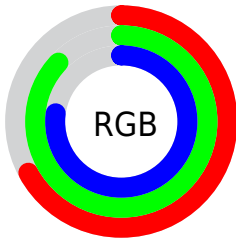
Format	Color
RYB	171, 206, 223
Decimal	11263940
CIELab	84.70, -22.15, 7.80
CIELCh	85, 23.482, 160.610
Yxy	65.4188, 0.2942, 0.3622
Android (android.graphics.Color)	4289454020 (0xFFABDFC4)
YUV	204.3740, -4.1284, -29.2690
Hunter-Lab	80.8819, -24.2742, 11.1251

Details

The Yxy color **65.4188, 0.2942, 0.3622** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.8673, 0.3365, 0.2981**, and the grayscale version is **60.6643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9427, 0.2969, 0.3310**, and **33.8098, 0.2900, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **62.6195, 0.2870, 0.3790**, and if you desaturate by 10%, it is **68.6866, 0.3020, 0.3469**.

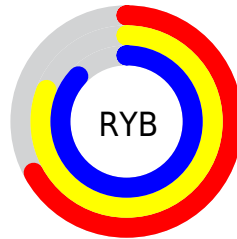
Distribution



Red (67%)

Green (87%)

Blue (77%)



Red (67%)

Yellow (81%)

Blue (87%)

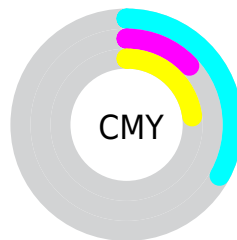


Cyan (23%)

Magenta (0%)

Yellow (12%)

Black (13%)



Cyan (33%)


Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4188, 0.2942, 0.3622 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 65.4188, 0.2942, 0.3622 by changing the saturation by 10% instead.


 65.4188, 0.2942,
0.3622

 65.4188, 0.2942,
0.3622


444.2954, 0.3031,
0.3462

 47.8008, 0.2921,
0.3660


 112.6517, 0.2974,
0.3565

 33.6691, 0.2894,
0.3709


143.0354, 0.2986,
0.3543

 22.6395, 0.2859,
0.3772


178.4431, 0.2996,
0.3525

 14.3276, 0.2812,
0.3858

219.2592, 0.3005,
0.3508

 8.3488, 0.2745,
0.3980

265.8681, 0.3013,
0.3494

 4.3190, 0.2643,
0.4169

318.6542, 0.3020,

 1.8535, 0.2467,

0.3482

0.4497

378.0018, 0.3026,
0.3471

■ 0.5202, 0.0000,
0.9605

■ 0.0000, 0.0000,
0.0000

■ 65.4188, 0.2942,
0.3622

■ 65.4188, 0.2942,
0.3622

■ 62.6195, 0.2870,
0.3790

■ 68.6866, 0.3020,
0.3469

■ 60.2583, 0.2807,
0.3972


■ 72.4354, 0.3100,
0.3332


■ 58.3142, 0.2755,
0.4166


■ 76.6871, 0.3181,
0.3211


■ 56.7606, 0.2719,
0.4368


■ 80.4712, 0.3225,
0.3101


 55.5682, 0.2701,
0.4573

 81.1891, 0.3149,
0.2991

 54.7030, 0.2703,
0.4775

 81.2644, 0.3142,
0.2980

 54.1241, 0.2725,
0.4968

 53.8541, 0.2747,
0.5090

Harmonies

Analogous

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



65.4188, 0.3233, 0.3788



65.4188, 0.2942, 0.3622



65.4188, 0.2708, 0.3357

Triad

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



65.4188, 0.2942, 0.3622



65.4188, 0.2749, 0.2807



65.4188, 0.3700, 0.3450

Complementary

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



65.4188, 0.2942, 0.3622



48.8673, 0.3365, 0.2981

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.



65.4188, 0.3559, 0.3205



65.4188, 0.2942, 0.3622



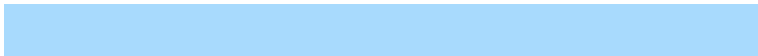
65.4188, 0.3000, 0.2846

Square

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



65.4188, 0.2942, 0.3622



65.4188, 0.2601, 0.2889



65.4188, 0.3298, 0.2989



65.4188, 0.3678, 0.3669

Rectangle

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



65.4188, 0.2942, 0.3622



65.4188, 0.2612, 0.3171



65.4188, 0.3298, 0.2989



65.4188, 0.3670, 0.3369

Sweetspot

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



65.4215, 0.2942, 0.3622



96.1886, 0.3070, 0.3381



67.8252, 0.3296, 0.3907



20.5213, 0.3065, 0.3390



0.0000, 0.0000, 0.0000



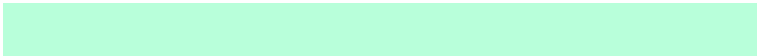
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4215, 0.2942, 0.3622



86.7220, 0.2906, 0.3702



66.6707, 0.2793, 0.3310



15.4467, 0.3051, 0.3414



31.6826, 0.2740, 0.5063



2.2141, 0.2659, 0.4774

Inverse Universe

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



48.8673, 0.3365, 0.2981



60.5752, 0.3429, 0.2913



47.7974, 0.3593, 0.3271



13.8186, 0.3211, 0.3169



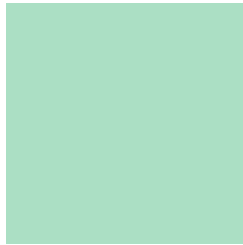
9.9835, 0.4874, 0.2459



0.7101, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 65.4188, 0.2942, 0.3622 looks on a white background.

Color Contrast Check

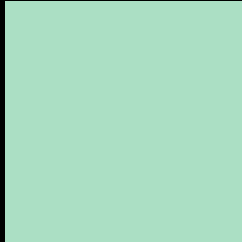
Large Text (above 18pt) WCAG AA × Fail

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 65.4188, 0.2942, 0.3622 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 65.4188, 0.2942, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 65.4188, 0.2942, 0.3622.

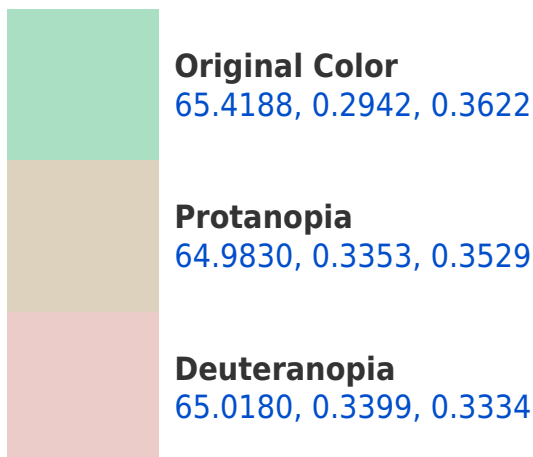


This preview shows how white text looks on a background with the Yxy color 65.4188, 0.2942, 0.3622.

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

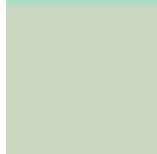
65.0888, 0.2752, 0.3080

Trichromacy



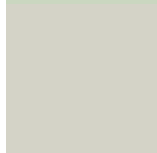
Original Color

65.4188, 0.2942, 0.3622



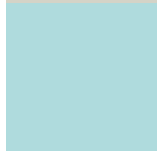
Protanomaly

64.9632, 0.3188, 0.3560



Deuteranomaly

64.7091, 0.3218, 0.3428



Tritanomaly

64.9975, 0.2816, 0.3265

Monochromacy



Original Color

65.4188, 0.2942, 0.3622



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.0120, 0.3055, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4188, 0.2942, 0.3622 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(171, 223, 196)` looks like.

```
.text, #text, p{  
    color:rgb(171, 223, 196)  
}
```

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(171, 223, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 223, 196) }
```

Border

The CSS property to change the border of an element to Yxy 65.4188, 0.2942, 0.3622 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(171, 223, 196) }
```

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

```
.border{ border-color:rgb(171, 223, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 223, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 223, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 223, 196); box-shadow:4px 4px 4px 4px rgb(171, 223, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4188, 0.2942, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 223, 196) }
```

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

```
.background{ background-color: rgb(171,  
223, 196) }
```

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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