

Converting Colors

$Yxy(62.6936, 0.2935, 0.3793)$

Have a look what the booklet for
Yxy(62.6936, 0.2935, 0.3793)
contains.

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Color

Yxy(62.8295, 0.2930, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	9DDEB7
RGB	157, 222, 183
RGB Percent	62%, 87%, 72%
CMY	0.3844, 0.1294, 0.2823
CMYK	0.29, 0.00, 0.18, 0.13
HSL	144°, 50%, 74%
HSV	144°, 29%, 87%
XYZ	48.5727, 62.8295, 54.3749
YIQ	198.1190, -26.2210, -25.9090

Conversions

Conversions Part 2

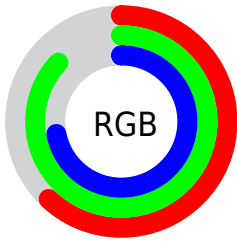
Format	Color
RYB	157, 203, 222
Decimal	10346167
CIELab	83.35, -28.49, 12.62
CIELCh	83, 31.165, 156.108
Yxy	62.8295, 0.2930, 0.3790
Android (android.graphics.Color)	4288536247 (0xFF9DDEB7)
YUV	198.1190, -7.4537, -36.0614
Hunter-Lab	79.2651, -29.3312, 14.8133

Details

The Yxy color **62.8295, 0.2930, 0.3790** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.6257, 0.3394, 0.2839**, and the grayscale version is **56.6068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8981, 0.2962, 0.3456**, and **32.1922, 0.2878, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **60.2699, 0.2872, 0.3996**, and if you desaturate by 10%, it is **65.8524, 0.2995, 0.3601**.

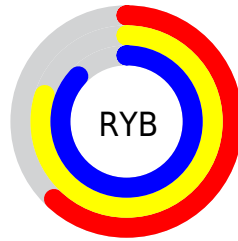
Distribution



Red (62%)

Green (87%)

Blue (72%)



Red (62%)

Yellow (80%)

Blue (87%)

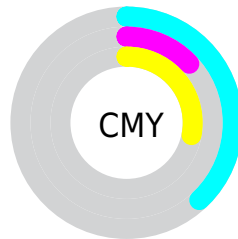


Cyan (29%)

Magenta (0%)

Yellow (18%)

Black (13%)



Cyan (38%)


Magenta (13%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8295, 0.2930, 0.3790 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 62.8295, 0.2930, 0.3790 by changing the saturation by 10% instead.


 62.8295, 0.2930,
0.3790

 62.8295, 0.2930,
0.3790


434.9504, 0.3028,
0.3544

 45.7033, 0.2906,
0.3850


 108.9235, 0.2965,
0.3701

 32.0117, 0.2875,
0.3927


 138.6601, 0.2979,
0.3668

 21.3705, 0.2834,
0.4028


173.3689, 0.2990,
0.3640

 13.3951, 0.2778,
0.4166

213.4343, 0.3000,
0.3615

 7.7012, 0.2696,
0.4367

259.2408, 0.3008,
0.3594

 3.9043, 0.2565,
0.4685

311.1727, 0.3015,

 1.6202, 0.2321,

0.3575

0.5301

369.6145, 0.3022,
0.3559

0.3712, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8295, 0.2930,
0.3790

62.8295, 0.2930,
0.3790

60.2699, 0.2872,
0.3996

65.8524, 0.2995,
0.3601

58.1424, 0.2823,
0.4218

69.3526, 0.3063,
0.3431


56.4241, 0.2787,
0.4450


73.3530, 0.3132,
0.3280

55.0865, 0.2767,
0.4685


77.8726, 0.3201,
0.3146


 54.0974, 0.2766,
0.4917

 80.3815, 0.3178,
0.3021

 53.4190, 0.2783,
0.5135

 80.7254, 0.3142,
0.2970

 52.9908, 0.2816,
0.5333

 52.9645, 0.2819,
0.5347

Harmonies

Analogous

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



62.8295, 0.3321, 0.3985



62.8295, 0.2930, 0.3790



62.8295, 0.2605, 0.3434

Triad

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



62.8295, 0.2930, 0.3790



62.8295, 0.2583, 0.2655



62.8295, 0.3886, 0.3445

Complementary

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



62.8295, 0.2930, 0.3790



43.6257, 0.3394, 0.2839

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.



62.8295, 0.3664, 0.3126



62.8295, 0.2930, 0.3790



62.8295, 0.2897, 0.2687

Square

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



62.8295, 0.2930, 0.3790



62.8295, 0.2416, 0.2781



62.8295, 0.3294, 0.2856



62.8295, 0.3887, 0.3748

Rectangle

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



62.8295, 0.2930, 0.3790



62.8295, 0.2465, 0.3177



62.8295, 0.3294, 0.2856



62.8295, 0.3835, 0.3337

Sweetspot

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



62.8321, 0.2930, 0.3790



95.0492, 0.3064, 0.3428



66.4151, 0.3368, 0.4069



20.1846, 0.3054, 0.3451



0.0000, 0.0000, 0.0000



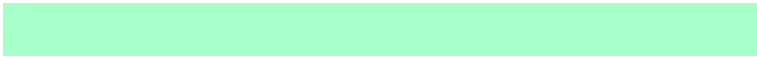
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8321, 0.2930, 0.3790



83.8395, 0.2894, 0.3912



64.3448, 0.2741, 0.3369



15.4277, 0.3062, 0.3434



31.4788, 0.2811, 0.5319



2.1993, 0.2725, 0.5009

Inverse Universe

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



43.6257, 0.3394, 0.2839



53.5705, 0.3466, 0.2744



42.3031, 0.3711, 0.3214



13.8379, 0.3199, 0.3150



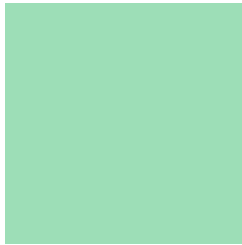
10.2548, 0.4536, 0.2272



0.7284, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 62.8295, 0.2930, 0.3790 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 62.8295, 0.2930, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

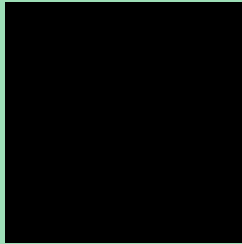
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

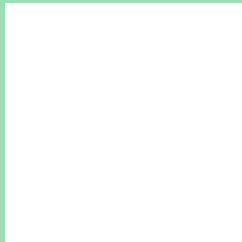
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8295, 0.2930, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 62.8295, 0.2930, 0.3790.

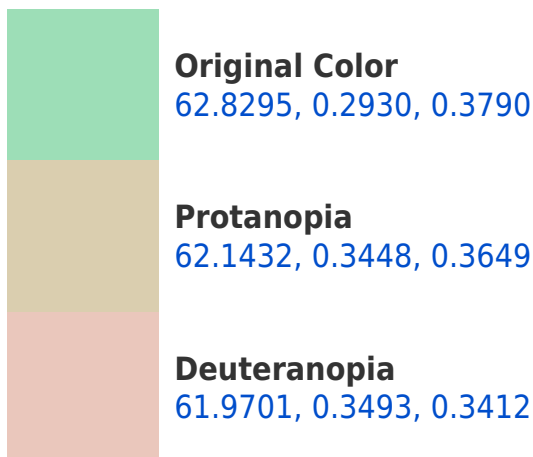


This preview shows how white text looks on a background with the Yxy color 62.8295, 0.2930, 0.3790.

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

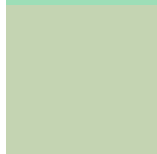
62.6426, 0.2700, 0.3086

Trichromacy



Original Color

62.8295, 0.2930, 0.3790



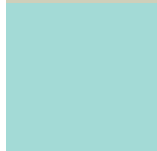
Protanomaly

62.0371, 0.3242, 0.3701



Deuteranomaly

61.2926, 0.3269, 0.3538



Tritanomaly

62.7844, 0.2781, 0.3338

Monochromacy



Original Color

62.8295, 0.2930, 0.3790



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.5432, 0.3044, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8295, 0.2930, 0.3790 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(157, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(157, 222, 183)  
}
```

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(157, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 222, 183) }
```

Border

The CSS property to change the border of an element to Yxy 62.8295, 0.2930, 0.3790 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(157, 222, 183) }
```

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

```
.border{ border-color:rgb(157, 222, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 222, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(157, 222,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8295, 0.2930, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 222, 183) }
```

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

```
.background{ background-color: rgb(157,  
222, 183) }
```

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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