

Converting Colors

$Yxy(62.8107, 0.2793, 0.3465)$

Have a look what the booklet for
Yxy(62.8107, 0.2793, 0.3465)
contains.

Yxy(62.8107, 0.2793, 0.3465)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8107, 0.2793, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	9DDCCE
RGB	157, 220, 206
RGB Percent	62%, 86%, 81%
CMY	0.3845, 0.1372, 0.1922
CMYK	0.29, 0.00, 0.06, 0.14
HSL	167°, 47%, 74%
HSV	167°, 29%, 86%
XYZ	50.6292, 62.8107, 67.8319
YIQ	199.5670, -33.0540, -17.7100

Conversions

Conversions Part 2

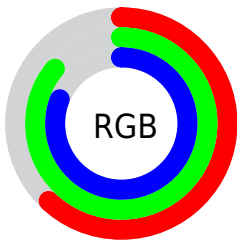
Format	Color
RYB	157, 192, 220
Decimal	10345678
CIELab	83.34, -22.89, 0.47
CIELCh	83, 22.893, 178.830
Yxy	62.8107, 0.2793, 0.3465
Android (android.graphics.Color)	4288535758 (0xFF9DDCCE)
YUV	199.5670, 3.1715, -37.3313
Hunter-Lab	79.2532, -24.6622, 4.7316

Details

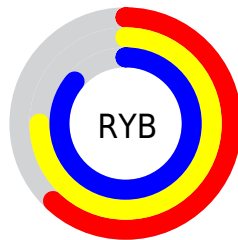
The Yxy color **62.8107, 0.2793, 0.3465** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2571, 0.3616, 0.3124**, and the grayscale version is **57.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **32.0608, 0.2705, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **60.5624, 0.2694, 0.3536**, and if you desaturate by 10%, it is **65.4700, 0.2903, 0.3399**.

Distribution



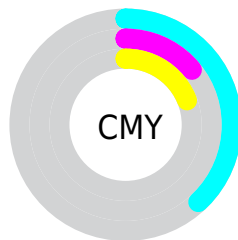
- Red (62%)
- Green (86%)
- Blue (81%)



- Red (62%)
- Yellow (75%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (38%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8107, 0.2793, 0.3465 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 62.8107, 0.2793, 0.3465 by changing the saturation by 10% instead.


 62.8107, 0.2793,
0.3465


 62.8107, 0.2793,
0.3465


434.8822, 0.2952,
0.3382

 45.6881, 0.2756,
0.3485


 108.8964, 0.2849,
0.3436

 31.9998, 0.2709,
0.3509


 138.6282, 0.2870,
0.3424

 21.3613, 0.2650,
0.3540


173.3319, 0.2889,
0.3415

 13.3884, 0.2570,
0.3582

213.3919, 0.2905,
0.3407

 7.6965, 0.2459,
0.3641

259.1925, 0.2918,
0.3399

 3.9014, 0.2294,
0.3729

311.1181, 0.2931,

 1.6185, 0.2023,

0.3393

0.3874

369.5532, 0.2942,
0.3387

0.3701, 0.0000,
0.4999

0.0000, 0.0000,
0.0000

62.8107, 0.2793,
0.3465

62.8107, 0.2793,
0.3465

60.5624, 0.2694,
0.3536

65.4700, 0.2903,
0.3399

58.6958, 0.2608,
0.3612


68.5524, 0.3021,
0.3338


57.1902, 0.2539,
0.3691

72.0791, 0.3144,
0.3283


56.0194, 0.2488,
0.3772


76.0675, 0.3269,
0.3234


 55.1538, 0.2457,
0.3855


 78.1940, 0.3308,
0.3186

 54.5584, 0.2446,
0.3937


 78.4738, 0.3275,
0.3138

 54.1802, 0.2451,
0.4019

 78.7614, 0.3241,
0.3090

 54.1361, 0.2453,
0.4030

 79.0569, 0.3208,
0.3043

 79.3604, 0.3176,
0.2997

Harmonies

Analogous

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



62.8107, 0.3054, 0.3698



62.8107, 0.2793, 0.3465



62.8107, 0.2624, 0.3188

Triad

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



62.8107, 0.2793, 0.3465



62.8107, 0.2895, 0.2822



62.8107, 0.3700, 0.3587

Complementary

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



62.8107, 0.2793, 0.3465



42.2571, 0.3616, 0.3124

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.



62.8107, 0.3657, 0.3354



62.8107, 0.2793, 0.3465



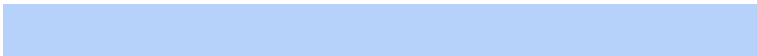
62.8107, 0.3180, 0.2926

Square

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



62.8107, 0.2793, 0.3465



62.8107, 0.2681, 0.2830



62.8107, 0.3463, 0.3116



62.8107, 0.3583, 0.3757

Rectangle

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



62.8107, 0.2793, 0.3465



62.8107, 0.2583, 0.3025



62.8107, 0.3463, 0.3116



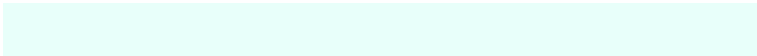
62.8107, 0.3704, 0.3513

Sweetspot

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



62.8133, 0.2793, 0.3465



95.5794, 0.3016, 0.3340



62.3606, 0.3192, 0.4094



20.3153, 0.2998, 0.3349



0.0000, 0.0000, 0.0000



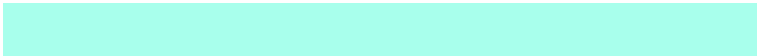
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8133, 0.2793, 0.3465



85.9164, 0.2736, 0.3504



55.1380, 0.2691, 0.3077



14.7774, 0.3012, 0.3343



31.7843, 0.2449, 0.4017



2.0716, 0.2412, 0.3884

Inverse Universe

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



42.2571, 0.3616, 0.3124



52.9898, 0.3751, 0.3090



47.8348, 0.3701, 0.3492



13.0988, 0.3257, 0.3238



9.0738, 0.6002, 0.3080



0.6009, 0.5541, 0.2826

Previews

White Background



This preview shows how the Yxy color 62.8107, 0.2793, 0.3465 looks on a white background.

Color Contrast Check

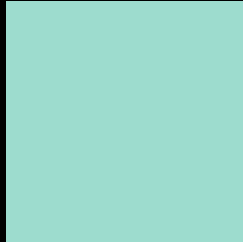
Large Text (above 18pt) WCAG AA × Fail

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 62.8107, 0.2793, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

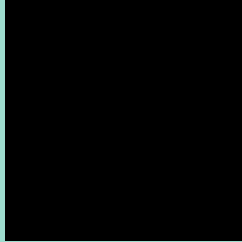
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

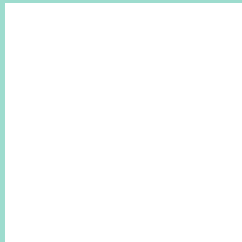
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8107, 0.2793, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 62.8107, 0.2793, 0.3465.

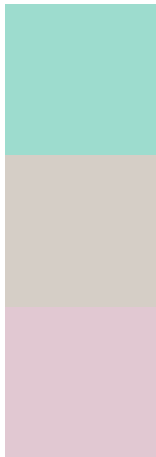


This preview shows how white text looks on a background with the Yxy color 62.8107, 0.2793, 0.3465.

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

62.8107, 0.2793, 0.3465

Protanopia

62.3660, 0.3238, 0.3382

Deuteranopia

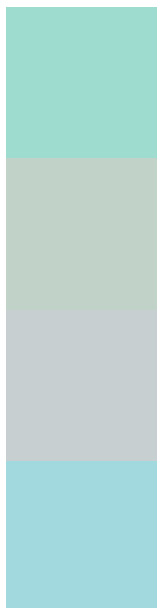
61.9692, 0.3250, 0.3179



Tritanopia

62.7815, 0.2672, 0.3085

Trichromacy



Original Color

62.8107, 0.2793, 0.3465

Protanomaly

62.1430, 0.3063, 0.3409

Deuteranomaly

61.5085, 0.3061, 0.3266

Tritanomaly

62.5305, 0.2717, 0.3216

Monochromacy



Original Color

62.8107, 0.2793, 0.3465

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.0803, 0.2991, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8107, 0.2793, 0.3465 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, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(157, 220, 206)  
}
```

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, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 220, 206) }
```

Border

The CSS property to change the border of an element to Yxy 62.8107, 0.2793, 0.3465 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, 220, 206) }
```

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

```
.border{ border-color:rgb(157, 220, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 220, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(157, 220,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8107, 0.2793, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 220, 206) }
```

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

```
.background{ background-color: rgb(157,  
220, 206) }
```

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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