

Converting Colors

$Yxy(67.9085, 0.2785, 0.3525)$

Have a look what the booklet for
Yxy(67.9085, 0.2785, 0.3525)
contains.

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Color

Yxy(67.9609, 0.2786, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	9EE5D2
RGB	158, 229, 210
RGB Percent	62%, 90%, 82%
CMY	0.3801, 0.1020, 0.1766
CMYK	0.31, 0.00, 0.08, 0.10
HSL	164°, 58%, 76%
HSV	164°, 31%, 90%
XYZ	53.7590, 67.9609, 71.2412
YIQ	205.6050, -36.2170, -20.9610

Conversions

Conversions Part 2

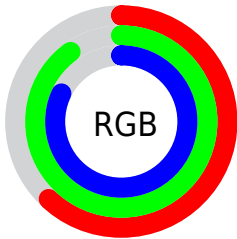
Format	Color
R _Y B	158, 199, 229
Decimal	10413522
CIE Lab	85.99, -26.10, 2.21
CIE LCh	86, 26.193, 175.157
Yxy	67.9609, 0.2786, 0.3522
Android (android.graphics.Color)	4288603602 (0xFF9EE5D2)
YUV	205.6050, 2.1667, -41.7496
Hunter-Lab	82.4384, -27.8654, 6.4699

Details

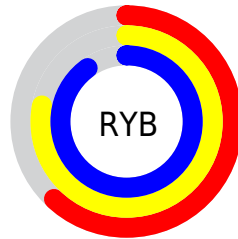
The Yxy color **67.9609, 0.2786, 0.3522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3096, 0.3640, 0.3072**, and the grayscale version is **61.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **35.2305, 0.2700, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **65.5525, 0.2694, 0.3610**, and if you desaturate by 10%, it is **70.8193, 0.2889, 0.3440**.

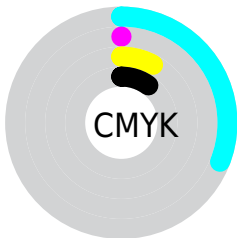
Distribution



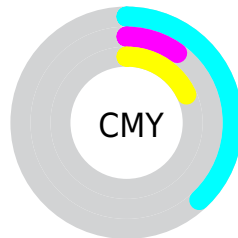
- Red (62%)
- Green (90%)
- Blue (82%)



- Red (62%)
- Yellow (78%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)




- Cyan (38%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9609, 0.2786, 0.3522 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 67.9609, 0.2786, 0.3522 by changing the saturation by 10% instead.


 67.9609, 0.2786,
0.3522

 67.9609, 0.2786,
0.3522


453.3575, 0.2946,
0.3412

 49.8659, 0.2749,
0.3548


 116.2962, 0.2842,
0.3483

 35.3069, 0.2703,
0.3580


 147.3053, 0.2864,
0.3469

 23.8994, 0.2644,
0.3621


183.3880, 0.2882,
0.3456

 15.2590, 0.2566,
0.3675

224.9285, 0.2898,
0.3445

 9.0013, 0.2459,
0.3751

272.3113, 0.2912,
0.3435

 4.7421, 0.2302,
0.3864

325.9208, 0.2925,

 2.0967, 0.2051,

0.3427

0.4049

386.1414, 0.2936,
0.3419

0.6628, 0.0000,
0.5389

0.0000, 0.0000,
0.0000

67.9609, 0.2786,
0.3522

67.9609, 0.2786,
0.3522

65.5525, 0.2694,
0.3610

70.8193, 0.2889,
0.3440

63.5616, 0.2616,
0.3704


74.1417, 0.3000,
0.3365

61.9644, 0.2555,
0.3802


77.9517, 0.3116,
0.3296

60.7312, 0.2512,
0.3902


82.2689, 0.3234,
0.3235

 59.8281, 0.2490,
0.4004


 83.6278, 0.3231,
0.3176

 59.2146, 0.2487,
0.4105

 84.0003, 0.3191,
0.3116

 58.8485, 0.2499,
0.4196

 84.3853, 0.3152,
0.3058

 84.5163, 0.3139,
0.3039

Harmonies

Analogous

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



67.9609, 0.3084, 0.3771



67.9609, 0.2786, 0.3522



67.9609, 0.2585, 0.3211

Triad

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



67.9609, 0.2786, 0.3522



67.9609, 0.2833, 0.2766



67.9609, 0.3770, 0.3588

Complementary

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



67.9609, 0.2786, 0.3522



44.3096, 0.3640, 0.3072

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.



67.9609, 0.3700, 0.3325



67.9609, 0.2786, 0.3522



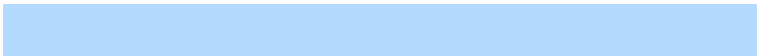
67.9609, 0.3145, 0.2867

Square

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



67.9609, 0.2786, 0.3522



67.9609, 0.2611, 0.2789



67.9609, 0.3466, 0.3067



67.9609, 0.3659, 0.3792

Rectangle

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



67.9609, 0.2786, 0.3522



67.9609, 0.2527, 0.3024



67.9609, 0.3466, 0.3067



67.9609, 0.3768, 0.3503

Sweetspot

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



67.9637, 0.2786, 0.3522



95.5142, 0.3022, 0.3351



67.9909, 0.3220, 0.4163



20.2992, 0.3005, 0.3361



0.0000, 0.0000, 0.0000



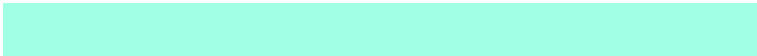
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9637, 0.2786, 0.3522



84.7573, 0.2727, 0.3576



60.8367, 0.2661, 0.3101



16.2670, 0.3017, 0.3354



33.6691, 0.2495, 0.4180



2.5033, 0.2454, 0.4033

Inverse Universe

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



44.3096, 0.3640, 0.3072



50.1705, 0.3788, 0.3027



49.1807, 0.3775, 0.3470



14.4311, 0.3250, 0.3227



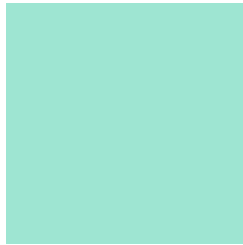
9.7365, 0.5866, 0.3005



0.7346, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 67.9609, 0.2786, 0.3522 looks on a white background.

Color Contrast Check

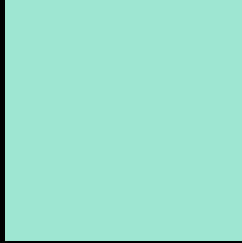
Large Text (above 18pt) WCAG AA × Fail

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 67.9609, 0.2786, 0.3522 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

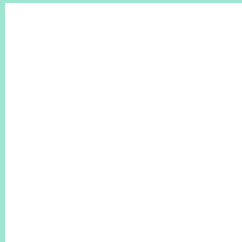
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9609, 0.2786, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 67.9609, 0.2786, 0.3522.

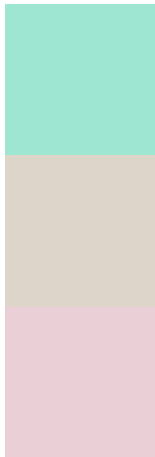


This preview shows how white text looks on a background with the Yxy color 67.9609, 0.2786, 0.3522.

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

67.9609, 0.2786, 0.3522

Protanopia

67.1777, 0.3270, 0.3424

Deuteranopia

67.1429, 0.3291, 0.3215



Tritanopia

67.7214, 0.2646, 0.3079

Trichromacy



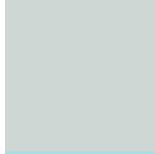
Original Color

67.9609, 0.2786, 0.3522



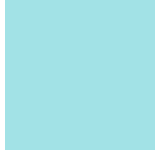
Protanomaly

67.0284, 0.3076, 0.3464



Deuteranomaly

66.6704, 0.3083, 0.3313



Tritanomaly

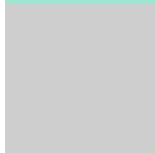
67.7873, 0.2696, 0.3241

Monochromacy



Original Color

67.9609, 0.2786, 0.3522



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.4169, 0.2994, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9609, 0.2786, 0.3522 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(158, 229, 210)` looks like.

```
.text, #text, p{  
    color:rgb(158, 229, 210)  
}
```

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(158, 229, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 229, 210) }
```

Border

The CSS property to change the border of an element to Yxy 67.9609, 0.2786, 0.3522 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(158, 229, 210) }
```

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

```
.border{ border-color:rgb(158, 229, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 229, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 229, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 229, 210);  
box-shadow:4px 4px 4px 4px rgb(158, 229,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9609, 0.2786, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 229, 210) }
```

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

```
.background{ background-color: rgb(158,  
229, 210) }
```

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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