

Converting Colors

$Yxy(80.2574, 0.2750, 0.3596)$

Have a look what the booklet for
Yxy(80.2574, 0.2750, 0.3596)
contains.

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Color

Yxy(80.3962, 0.2750, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	9FF9DE
RGB	159, 249, 222
RGB Percent	62%, 98%, 87%
CMY	0.3763, 0.0235, 0.1295
CMYK	0.36, 0.00, 0.11, 0.02
HSL	162°, 88%, 80%
HSV	162°, 36%, 98%
XYZ	61.3626, 80.3962, 81.3780
YIQ	219.0120, -44.9730, -27.4770

Conversions

Conversions Part 2

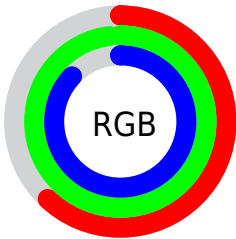
Format	Color
R _Y B	159, 212, 249
Decimal	10484190
CIE Lab	91.86, -32.78, 4.47
CIE LCh	92, 33.086, 172.238
Yxy	80.3962, 0.2750, 0.3603
Android (android.graphics.Color)	4288674270 (0xFF9FF9DE)
YUV	219.0120, 1.4731, -52.6305
Hunter-Lab	89.6639, -34.7532, 8.9538

Details

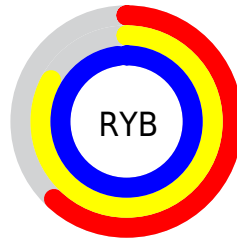
The Yxy color **80.3962, 0.2750, 0.3603** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4988, 0.3736, 0.3003**, and the grayscale version is **70.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **43.3729, 0.2661, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **77.7121, 0.2668, 0.3707**, and if you desaturate by 10%, it is **83.6174, 0.2844, 0.3506**.

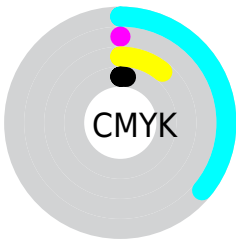
Distribution



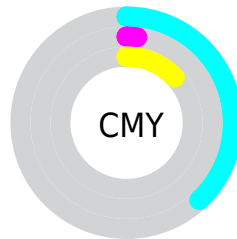
- Red (62%)
- Green (98%)
- Blue (87%)



- Red (62%)
- Yellow (83%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3962, 0.2750, 0.3603 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 80.3962, 0.2750, 0.3603 by changing the saturation by 10% instead.


 80.3962, 0.2750,
0.3603


 80.3962, 0.2750,
0.3603


496.2671, 0.2922,
0.3458

 60.0444, 0.2711,
0.3636


 133.9226, 0.2809,
0.3553

 43.4545, 0.2664,
0.3677


 167.8661, 0.2833,
0.3533

 30.2418, 0.2604,
0.3729


207.1089, 0.2853,
0.3516

 20.0222, 0.2526,
0.3796

252.0354, 0.2870,
0.3502

 12.4112, 0.2422,
0.3888

303.0301, 0.2885,
0.3489

 7.0244, 0.2274,
0.4021


360.4774, 0.2899,


 3.4773, 0.2051,

0.3478

0.4228


424.7616, 0.2911,
0.3467


 1.3857, 0.1513,
0.4683

 0.2062, 0.0000,
1.0000


 80.3962, 0.2750,
0.3603


 80.3962, 0.2750,
0.3603


 77.7121, 0.2668,
0.3707


 83.6174, 0.2844,
0.3506


 75.5240, 0.2601,
0.3816

 87.3944, 0.2948,
0.3417

 73.8008, 0.2552,
0.3929

 91.7572, 0.3058,
0.3336

 72.5033, 0.2523,
0.4045

 96.0327, 0.3148,
0.3262

■ 71.5860, 0.2515,
0.4160

■ 96.2310, 0.3130,
0.3233

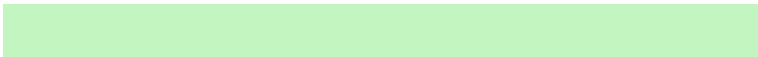
■ 70.9921, 0.2525,
0.4275

■ 70.8155, 0.2533,
0.4318

Harmonies

Analogous

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



80.3962, 0.3110, 0.3892



80.3962, 0.2750, 0.3603



80.3962, 0.2500, 0.3227

Triad

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



80.3962, 0.2750, 0.3603



80.3962, 0.2745, 0.2667



80.3962, 0.3898, 0.3609

Complementary

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



80.3962, 0.2750, 0.3603



48.4988, 0.3736, 0.3003

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.



80.3962, 0.3793, 0.3296



80.3962, 0.2750, 0.3603



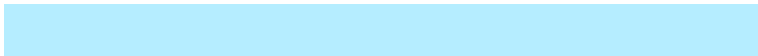
80.3962, 0.3107, 0.2774

Square

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



80.3962, 0.2750, 0.3603



80.3962, 0.2499, 0.2706



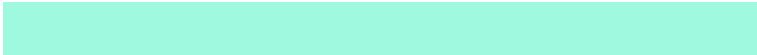
80.3962, 0.3496, 0.2998



80.3962, 0.3781, 0.3866

Rectangle

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



80.3962, 0.2750, 0.3603



80.3962, 0.2422, 0.2998



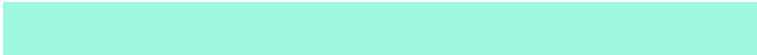
80.3962, 0.3496, 0.2998



80.3962, 0.3888, 0.3507

Sweetspot

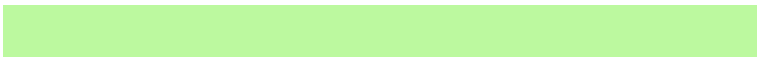
The Sweet Spot groups the original color and five complimentary colors.



80.3995, 0.2750, 0.3603



94.5320, 0.3004, 0.3374



80.8875, 0.3251, 0.4328



20.1010, 0.2989, 0.3386



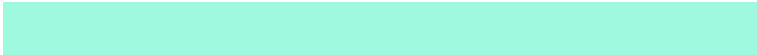
0.0000, 0.0000, 0.0000



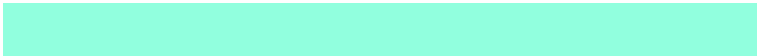
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3995, 0.2750, 0.3603



82.8492, 0.2692, 0.3674



72.2144, 0.2593, 0.3099



19.5146, 0.3020, 0.3362



37.9330, 0.2528, 0.4300



3.5320, 0.2490, 0.4164

Inverse Universe

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



48.4988, 0.3736, 0.3003



44.8436, 0.3910, 0.2948



53.5133, 0.3940, 0.3470



17.3110, 0.3247, 0.3219



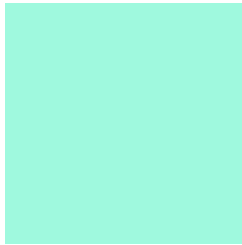
11.0726, 0.5765, 0.2950



1.0434, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 80.3962, 0.2750, 0.3603 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 80.3962, 0.2750, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

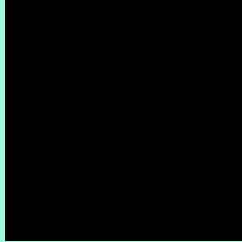
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

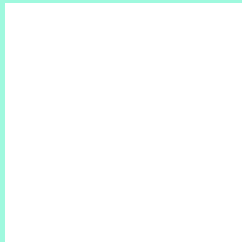
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3962, 0.2750, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 80.3962, 0.2750, 0.3603.

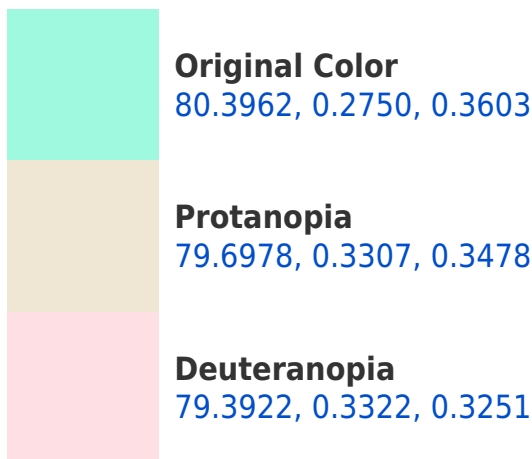


This preview shows how white text looks on a background with the Yxy color 80.3962, 0.2750, 0.3603.

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

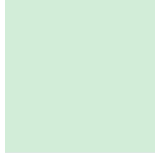
80.1050, 0.2721, 0.3127

Trichromacy



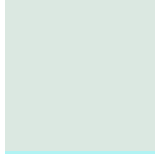
Original Color

80.3962, 0.2750, 0.3603



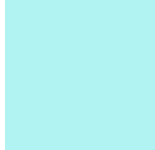
Protanomaly

79.2279, 0.3077, 0.3520



Deuteranomaly

78.2095, 0.3083, 0.3365



Tritanomaly

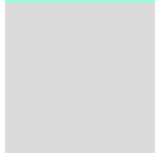
79.9194, 0.2731, 0.3289

Monochromacy



Original Color

80.3962, 0.2750, 0.3603



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.6313, 0.2969, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3962, 0.2750, 0.3603 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(159, 249, 222)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 222)  
}
```

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(159, 249, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 222) }
```

Border

The CSS property to change the border of an element to Yxy 80.3962, 0.2750, 0.3603 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(159, 249, 222) }
```

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

```
.border{ border-color:rgb(159, 249, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 222);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3962, 0.2750, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 222) }
```

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

```
.background{ background-color: rgb(159,  
249, 222) }
```

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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