

Converting Colors

$Yxy(77.2294, 0.2717, 0.3564)$

Have a look what the booklet for
Yxy(77.2294, 0.2717, 0.3564)
contains.

Yxy(77.3510, 0.2715, 0.3560)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.3510, 0.2715, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	99F5DE
RGB	153, 245, 222
RGB Percent	60%, 96%, 87%
CMY	0.3995, 0.0393, 0.1294
CMYK	0.38, 0.00, 0.09, 0.04
HSL	165°, 82%, 78%
HSV	165°, 38%, 96%
XYZ	58.9910, 77.3510, 80.9361
YIQ	214.8700, -47.4490, -26.6570

Conversions

Conversions Part 2

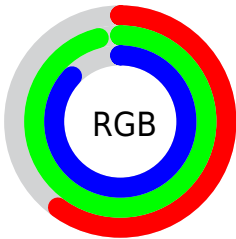
Format	Color
R _Y B	153, 206, 245
Decimal	10089950
CIE Lab	90.48, -32.48, 2.42
CIE LCh	90, 32.568, 175.740
Yxy	77.3510, 0.2715, 0.3560
Android (android.graphics.Color)	4288280030 (0xFF99F5DE)
YUV	214.8700, 3.5151, -54.2600
Hunter-Lab	87.9494, -34.1848, 7.0025

Details

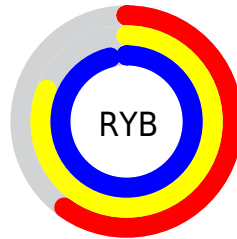
The Yxy color **77.3510, 0.2715, 0.3560** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.3682, 0.3815, 0.3042**, and the grayscale version is **67.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **41.2978, 0.2619, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **74.8852, 0.2630, 0.3646**, and if you desaturate by 10%, it is **80.3245, 0.2813, 0.3480**.

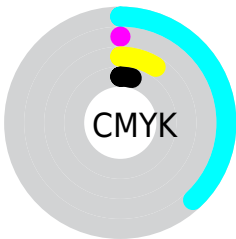
Distribution



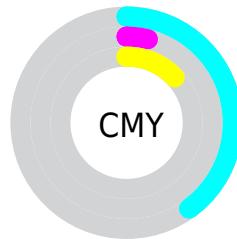
- Red (60%)
- Green (96%)
- Blue (87%)



- Red (60%)
- Yellow (81%)
- Blue (96%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (40%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3510, 0.2715, 0.3560 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 77.3510, 0.2715, 0.3560 by changing the saturation by 10% instead.

 77.3510, 0.2715,
0.3560


 77.3510, 0.2715,
0.3560


485.9599, 0.2904,
0.3435

 57.5410, 0.2672,
0.3588


 129.6348, 0.2780,
0.3517

 41.4397, 0.2620,
0.3624


 162.8775, 0.2806,
0.3500

 28.6629, 0.2554,
0.3668


201.3664, 0.2827,
0.3485

 18.8259, 0.2469,
0.3726

245.4861, 0.2847,
0.3473

 11.5446, 0.2354,
0.3805

295.6209, 0.2863,
0.3462

 6.4344, 0.2191,
0.3918

352.1552, 0.2878,

 3.1110, 0.1944,

0.3452

0.4094

415.4734, 0.2892,
0.3443

■ 1.1899, 0.1193,
0.4576

■ 0.0535, 0.0000,
1.0000

■ 77.3510, 0.2715,
0.3560

■ 77.3510, 0.2715,
0.3560

■ 74.8852, 0.2630,
0.3646

■ 80.3245, 0.2813,
0.3480

■ 72.8873, 0.2561,
0.3736


■ 83.8240, 0.2922,
0.3405

■ 71.3271, 0.2511,
0.3828


■ 87.8782, 0.3037,
0.3337


■ 70.1662, 0.2480,
0.3923


■ 92.5111, 0.3157,
0.3275

 69.3599, 0.2470,
0.4017

 93.6250, 0.3146,
0.3217

 68.8491, 0.2478,
0.4110

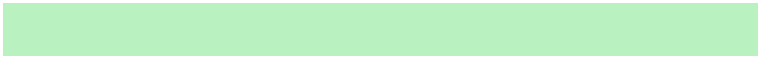
 93.7760, 0.3132,
0.3194

 68.7451, 0.2482,
0.4134

Harmonies

Analogous

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



77.3510, 0.3065, 0.3866



77.3510, 0.2715, 0.3560



77.3510, 0.2483, 0.3185

Triad

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



77.3510, 0.2715, 0.3560



77.3510, 0.2784, 0.2674



77.3510, 0.3893, 0.3642

Complementary

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



77.3510, 0.2715, 0.3560



45.3682, 0.3815, 0.3042

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.



77.3510, 0.3815, 0.3333



77.3510, 0.2715, 0.3560



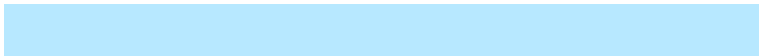
77.3510, 0.3153, 0.2796

Square

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



77.3510, 0.2715, 0.3560



77.3510, 0.2521, 0.2695



77.3510, 0.3537, 0.3031



77.3510, 0.3753, 0.3887

Rectangle

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



77.3510, 0.2715, 0.3560



77.3510, 0.2418, 0.2963



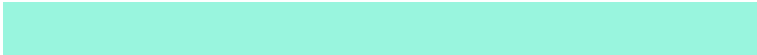
77.3510, 0.3537, 0.3031



77.3510, 0.3892, 0.3542

Sweetspot

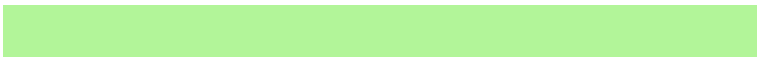
The Sweet Spot groups the original color and five complimentary colors.



77.3541, 0.2715, 0.3560



94.6192, 0.2996, 0.3360



77.0191, 0.3225, 0.4382



20.1218, 0.2980, 0.3369



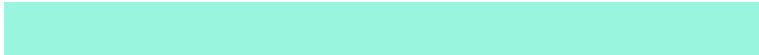
0.0000, 0.0000, 0.0000



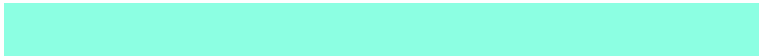
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3541, 0.2715, 0.3560



82.6250, 0.2649, 0.3625



66.4444, 0.2567, 0.3036



18.6829, 0.3014, 0.3350



37.0628, 0.2477, 0.4118



3.2738, 0.2445, 0.4001

Inverse Universe

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



45.3682, 0.3815, 0.3042



42.9518, 0.4028, 0.2993



52.1993, 0.3962, 0.3526



16.5505, 0.3254, 0.3231



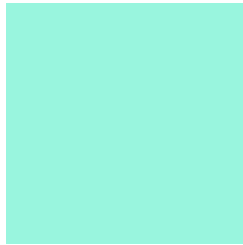
10.6595, 0.5931, 0.3041



0.9527, 0.5582, 0.2848

Previews

White Background



This preview shows how the Yxy color 77.3510, 0.2715, 0.3560 looks on a white background.

Color Contrast Check

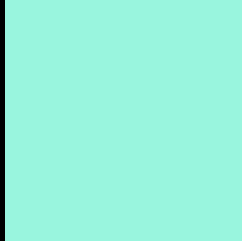
Large Text (above 18pt) WCAG AA × Fail

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 77.3510, 0.2715, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

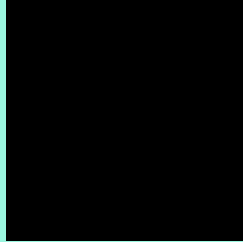
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3510, 0.2715, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 77.3510, 0.2715, 0.3560.

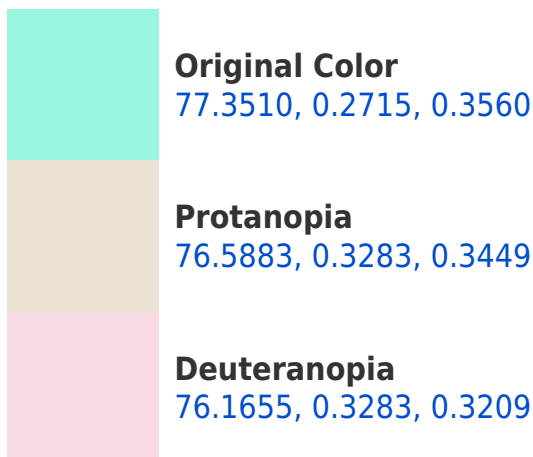


This preview shows how white text looks on a background with the Yxy color 77.3510, 0.2715, 0.3560.

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

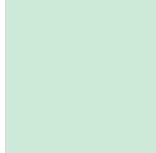
77.1397, 0.2638, 0.3100

Trichromacy



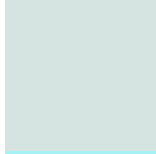
Original Color

77.3510, 0.2715, 0.3560



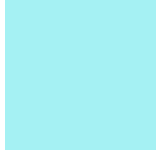
Protanomaly

76.1633, 0.3051, 0.3490



Deuteranomaly

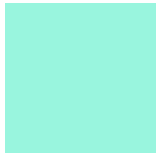
75.0692, 0.3044, 0.3322



Tritanomaly

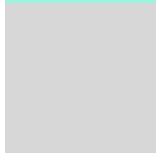
77.3810, 0.2665, 0.3266

Monochromacy



Original Color

77.3510, 0.2715, 0.3560



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6611, 0.2947, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3510, 0.2715, 0.3560 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(153, 245, 222)` looks like.

```
.text, #text, p{  
    color:rgb(153, 245, 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(153, 245, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 245, 222) }
```

Border

The CSS property to change the border of an element to Yxy 77.3510, 0.2715, 0.3560 is called "border". The border property can be set on classes, ids or directly on the HTML element.

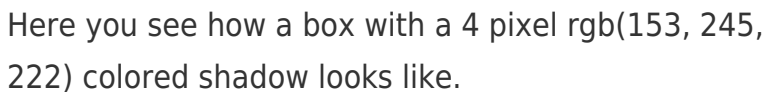
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 245, 222) }
```

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

```
.border{ border-color:rgb(153, 245, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 245, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 245, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 245, 222); box-shadow:4px 4px 4px 4px rgb(153, 245, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3510, 0.2715, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 245, 222) }
```

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

```
.background{ background-color: rgb(153,  
245, 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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