

Converting Colors

$Y_{xy}(77.5973, 0.2791, 0.3720)$

Have a look what the booklet for
Yxy(77.5973, 0.2791, 0.3720)
contains.

Yxy(77.6326, 0.2792, 0.3718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6326, 0.2792, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	9CF6D2
RGB	156, 246, 210
RGB Percent	61%, 96%, 82%
CMY	0.3882, 0.0353, 0.1765
CMYK	0.37, 0.00, 0.15, 0.04
HSL	156°, 83%, 79%
HSV	156°, 37%, 96%
XYZ	58.2975, 77.6326, 72.8719
YIQ	214.9860, -42.0840, -30.2760

Conversions

Conversions Part 2

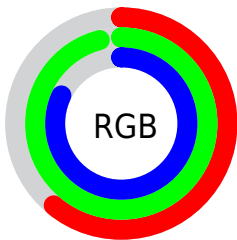
Format	Color
R _Y B	156, 212, 246
Decimal	10286802
CIE Lab	90.61, -34.71, 8.87
CIE LCh	91, 35.828, 165.665
Yxy	77.6326, 0.2792, 0.3718
Android (android.graphics.Color)	4288476882 (0xFF9CF6D2)
YUV	214.9860, -2.4581, -51.7307
Hunter-Lab	88.1094, -36.0869, 12.6400

Details

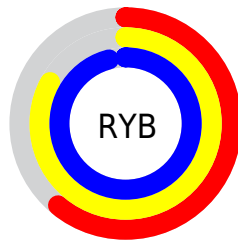
The Yxy color **77.6326, 0.2792, 0.3718** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.1801, 0.3657, 0.2904**, and the grayscale version is **67.9851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **41.5048, 0.2705, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **74.9492, 0.2720, 0.3860**, and if you desaturate by 10%, it is **80.8495, 0.2875, 0.3586**.

Distribution



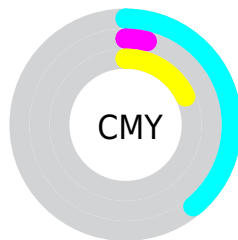
- Red (61%)
- Green (96%)
- Blue (82%)



- Red (61%)
- Yellow (83%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (39%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6326, 0.2792, 0.3718 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 77.6326, 0.2792, 0.3718 by changing the saturation by 10% instead.


 77.6326, 0.2792,
0.3718

 77.6326, 0.2792,
0.3718


486.9182, 0.2948,
0.3516

 57.7722, 0.2756,
0.3765


 130.0321, 0.2846,
0.3647

 41.6256, 0.2712,
0.3824

 163.3400, 0.2867,
0.3620

 28.8082, 0.2656,
0.3899

201.8991, 0.2885,
0.3597

 18.9358, 0.2582,
0.3998

246.0940, 0.2901,
0.3576

 11.6239, 0.2481,
0.4136

296.3089, 0.2915,
0.3558

 6.4881, 0.2335,
0.4339


352.9284, 0.2927,


 3.1441, 0.2106,


0.3543


0.4668


416.3366, 0.2938,
0.3529

 1.2074, 0.1261,
0.5654

 0.0678, 0.0000,
1.0000


 77.6326, 0.2792,
0.3718


 77.6326, 0.2792,
0.3718


 74.9492, 0.2720,
0.3860

 80.8495, 0.2875,
0.3586


 72.7590, 0.2663,
0.4010

 84.6186, 0.2966,
0.3465

 71.0313, 0.2623,
0.4165

 88.9691, 0.3062,
0.3356

 69.7275, 0.2603,
0.4323

 93.9256, 0.3161,
0.3258

■ 68.8027, 0.2604,
0.4480

■ 94.3949, 0.3131,
0.3204

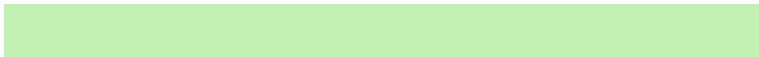
■ 68.2003, 0.2625,
0.4633

■ 68.0385, 0.2635,
0.4684

Harmonies

Analogous

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



77.6326, 0.3198, 0.3997



77.6326, 0.2792, 0.3718



77.6326, 0.2489, 0.3309

Triad

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



77.6326, 0.2792, 0.3718



77.6326, 0.2638, 0.2607



77.6326, 0.3968, 0.3561

Complementary

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



77.6326, 0.2792, 0.3718



47.1801, 0.3657, 0.2904

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.



77.6326, 0.3801, 0.3219



77.6326, 0.2792, 0.3718



77.6326, 0.3010, 0.2691

Square

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



77.6326, 0.2792, 0.3718



77.6326, 0.2406, 0.2684



77.6326, 0.3441, 0.2910



77.6326, 0.3890, 0.3864

Rectangle

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



77.6326, 0.2792, 0.3718



77.6326, 0.2378, 0.3044



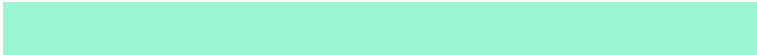
77.6326, 0.3441, 0.2910



77.6326, 0.3939, 0.3447

Sweetspot

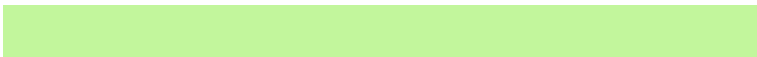
The Sweet Spot groups the original color and five complimentary colors.



77.6358, 0.2792, 0.3718



94.3606, 0.3019, 0.3403



79.7195, 0.3312, 0.4323



20.0600, 0.3006, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

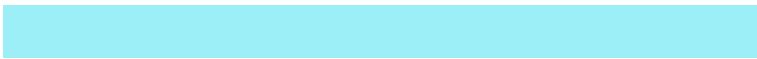
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6358, 0.2792, 0.3718



81.9995, 0.2737, 0.3823



75.1667, 0.2602, 0.3202



18.6389, 0.3034, 0.3386



36.3429, 0.2628, 0.4660



3.2145, 0.2575, 0.4469

Inverse Universe

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



47.1801, 0.3657, 0.2904



44.4632, 0.3818, 0.2825



48.3690, 0.3990, 0.3374



16.5924, 0.3231, 0.3196



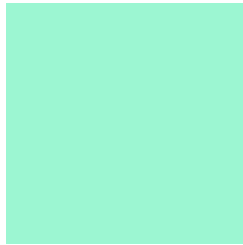
10.9592, 0.5378, 0.2737



0.9829, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 77.6326, 0.2792, 0.3718 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 77.6326, 0.2792, 0.3718 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 77.6326, 0.2792, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 77.6326, 0.2792, 0.3718.

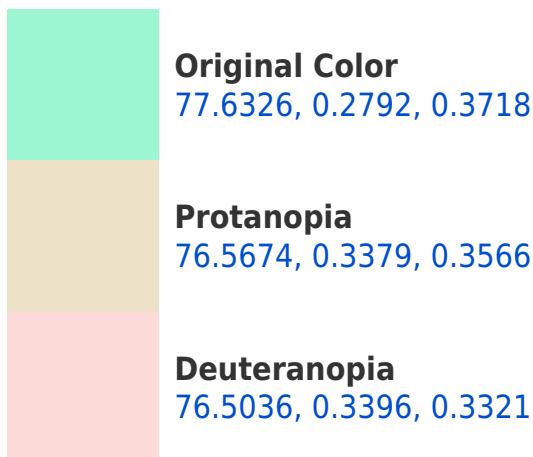


This preview shows how white text looks on a background with the Yxy color 77.6326, 0.2792, 0.3718.

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

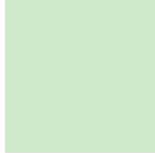
77.4830, 0.2654, 0.3101

Trichromacy



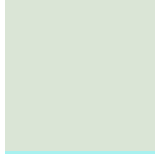
Original Color

77.6326, 0.2792, 0.3718



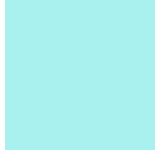
Protanomaly

76.0474, 0.3139, 0.3614



Deuteranomaly

75.7991, 0.3147, 0.3454



Tritanomaly

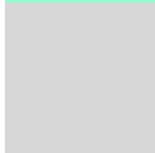
77.4674, 0.2701, 0.3311

Monochromacy



Original Color

77.6326, 0.2792, 0.3718



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6661, 0.2991, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6326, 0.2792, 0.3718 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(156, 246, 210)` looks like.

```
.text, #text, p{  
    color:rgb(156, 246, 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(156, 246, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 246, 210) }
```

Border

The CSS property to change the border of an element to Yxy 77.6326, 0.2792, 0.3718 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(156, 246, 210) }
```

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

```
.border{ border-color:rgb(156, 246, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 246, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 246, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 246, 210); box-shadow:4px 4px 4px 4px rgb(156, 246, 210) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6326, 0.2792, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 246, 210) }
```

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

```
.background{ background-color: rgb(156,  
246, 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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