

Converting Colors

$Y_{xy}(75.1454, 0.2892, 0.4387)$

Have a look what the booklet for
Yxy(75.1454, 0.2892, 0.4387)
contains.

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Color

Yxy(75.0628, 0.2895, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	81F9A3
RGB	129, 249, 163
RGB Percent	51%, 98%, 64%
CMY	0.4939, 0.0235, 0.3607
CMYK	0.48, 0.00, 0.35, 0.02
HSL	137°, 91%, 74%
HSV	137°, 48%, 98%
XYZ	49.5456, 75.0628, 46.5335
YIQ	203.3160, -43.9140, -52.1860

Conversions

Conversions Part 2

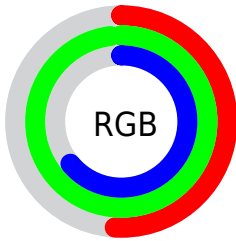
Format	Color
RYB	129, 223, 249
Decimal	8518051
CIELab	89.42, -52.01, 31.11
CIElCh	89, 60.603, 149.109
Yxy	75.0628, 0.2895, 0.4386
Android (android.graphics.Color)	4286708131 (0xFF81F9A3)
YUV	203.3160, -19.8758, -65.1751
Hunter-Lab	86.6388, -49.5403, 28.8027

Details

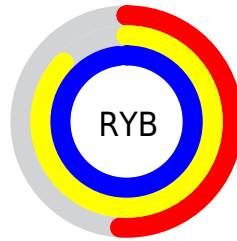
The Yxy color **75.0628, 0.2895, 0.4386** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.7596, 0.3502, 0.2412**, and the grayscale version is **60.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2733, 0.2931, 0.3699**, and **40.0540, 0.2819, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **72.7516, 0.2867, 0.4663**, and if you desaturate by 10%, it is **77.9456, 0.2934, 0.4119**.

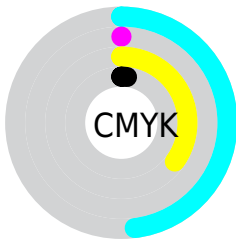
Distribution



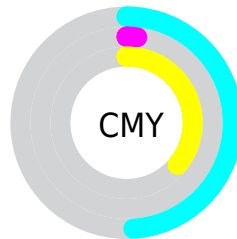
- Red (51%)
- Green (98%)
- Blue (64%)



- Red (51%)
- Yellow (87%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (35%)
- Black (2%)





- Cyan (49%)
- Magenta (2%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0628, 0.2895, 0.4386 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 75.0628, 0.2895, 0.4386 by changing the saturation by 10% instead.


 75.0628, 0.2895,
0.4386


 75.0628, 0.2895,
0.4386


478.1334, 0.3020,
0.3847

 55.6643, 0.2862,
0.4516


 126.4013, 0.2942,
0.4193

 39.9339, 0.2818,
0.4681


 159.1100, 0.2960,
0.4120

 27.4870, 0.2758,
0.4895


 197.0244, 0.2974,
0.4057

 17.9393, 0.2673,
0.5184

240.5287, 0.2986,
0.4004

 10.9064, 0.2544,
0.5590

290.0073, 0.2997,
0.3957

 6.0039, 0.2331,
0.6193


345.8448, 0.3006,

 2.8475, 0.2044,


0.3916


0.7518


408.4253, 0.3013,
0.3880

 1.0526, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 75.0628, 0.2895,
0.4386

 75.0628, 0.2895,
0.4386


 72.7516, 0.2867,
0.4663

 77.9456, 0.2934,
0.4119


 70.9638, 0.2852,
0.4940


 81.4257, 0.2980,
0.3870


 69.6585, 0.2853,
0.5203


 85.5386, 0.3031,
0.3643

 68.7842, 0.2870,
0.5438

 90.3140, 0.3084,
0.3439

 68.2711, 0.2901,
0.5633

 95.7799, 0.3137,
0.3259

 68.1991, 0.2907,
0.5665

 96.2304, 0.3130,
0.3233

Harmonies

Analogous

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



75.0628, 0.3590, 0.4619



75.0628, 0.2895, 0.4386



75.0628, 0.2299, 0.3717

Triad

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



75.0628, 0.2895, 0.4386



75.0628, 0.2087, 0.2210



75.0628, 0.4465, 0.3375

Complementary

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



75.0628, 0.2895, 0.4386



40.7596, 0.3502, 0.2412

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.



75.0628, 0.3965, 0.2866



75.0628, 0.2895, 0.4386



75.0628, 0.2555, 0.2226

Square

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



75.0628, 0.2895, 0.4386



75.0628, 0.1881, 0.2448



75.0628, 0.3237, 0.2460



75.0628, 0.4537, 0.3913

Rectangle

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



75.0628, 0.2895, 0.4386



75.0628, 0.2034, 0.3205



75.0628, 0.3237, 0.2460



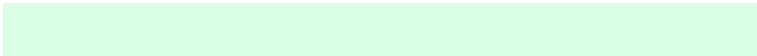
75.0628, 0.4340, 0.3198

Sweetspot

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



75.0659, 0.2895, 0.4386



92.3067, 0.3053, 0.3555



84.0899, 0.3611, 0.4569



19.5307, 0.3041, 0.3600



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.



75.0659, 0.2895, 0.4386



76.8214, 0.2867, 0.4660



77.6420, 0.2615, 0.3627



19.3900, 0.3077, 0.3465



36.5274, 0.2899, 0.5637



3.4004, 0.2835, 0.5406

Inverse Universe

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



40.7596, 0.3502, 0.2412



36.6062, 0.3610, 0.2258



38.2873, 0.4148, 0.2996



17.4358, 0.3182, 0.3121



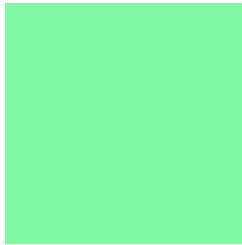
12.5371, 0.4085, 0.2024



1.1793, 0.3955, 0.1953

Previews

White Background



This preview shows how the Yxy color 75.0628, 0.2895, 0.4386 looks on a white background.

Color Contrast Check

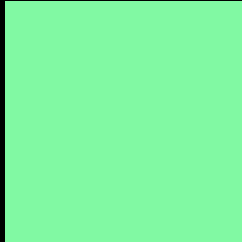
Large Text (above 18pt) WCAG AA × Fail

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 75.0628, 0.2895, 0.4386 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 75.0628, 0.2895, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 75.0628, 0.2895, 0.4386.

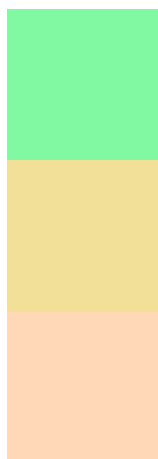


This preview shows how white text looks on a background with the Yxy color 75.0628, 0.2895, 0.4386.

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

75.0628, 0.2895, 0.4386

Protanopia

73.9196, 0.3754, 0.4040

Deuteranopia

73.7906, 0.3658, 0.3630



Tritanopia

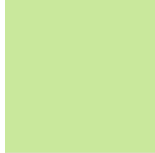
74.8563, 0.2557, 0.3084

Trichromacy



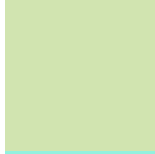
Original Color

75.0628, 0.2895, 0.4386



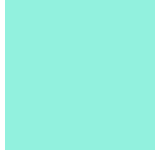
Protanomaly

72.5310, 0.3391, 0.4173



Deuteranomaly

72.1767, 0.3330, 0.3885



Tritanomaly

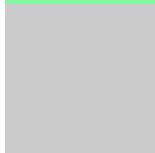
74.2955, 0.2674, 0.3517

Monochromacy



Original Color

75.0628, 0.2895, 0.4386



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.0473, 0.3025, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0628, 0.2895, 0.4386 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(129, 249, 163)` looks like.

```
.text, #text, p{  
    color:rgb(129, 249, 163)  
}
```

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(129, 249, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 249, 163) }
```

Border

The CSS property to change the border of an element to Yxy 75.0628, 0.2895, 0.4386 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(129, 249, 163) }
```

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

```
.border{ border-color:rgb(129, 249, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 249, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 249, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 249, 163);  
box-shadow:4px 4px 4px 4px rgb(129, 249,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0628, 0.2895, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 249, 163) }
```

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

```
.background{ background-color: rgb(129,  
249, 163) }
```

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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