

Converting Colors

$Yxy(78.2076, 0.2726, 0.3830)$

Have a look what the booklet for
Yxy(78.2076, 0.2726, 0.3830)
contains.

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Color

Yxy(78.1458, 0.2723, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	89FACE
RGB	137, 250, 206
RGB Percent	54%, 98%, 81%
CMY	0.4627, 0.0196, 0.1920
CMYK	0.45, 0.00, 0.18, 0.02
HSL	157°, 92%, 76%
HSV	157°, 45%, 98%
XYZ	55.6462, 78.1458, 70.5642
YIQ	211.1970, -53.2240, -37.6400

Conversions

Conversions Part 2

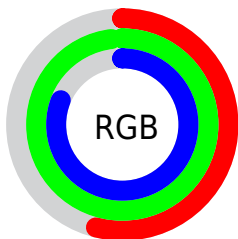
Format	Color
RYB	137, 207, 250
Decimal	9042638
CIELab	90.85, -42.26, 11.14
CIELCh	91, 43.707, 165.232
Yxy	78.1458, 0.2723, 0.3824
Android (android.graphics.Color)	4287232718 (0xFF89FACE)
YUV	211.1970, -2.5621, -65.0708
Hunter-Lab	88.4001, -42.3379, 14.5526

Details

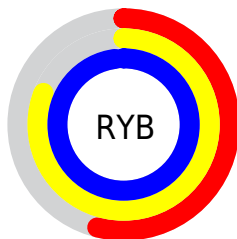
The Yxy color **78.1458, 0.2723, 0.3824** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.5522, 0.3858, 0.2827**, and the grayscale version is **65.3258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **42.0266, 0.2624, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **75.8168, 0.2663, 0.3969**, and if you desaturate by 10%, it is **80.9998, 0.2798, 0.3688**.

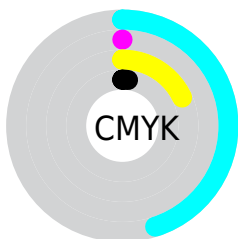
Distribution



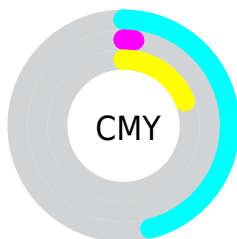
- Red (54%)
- Green (98%)
- Blue (81%)



- Red (54%)
- Yellow (81%)
- Blue (98%)



- Cyan (45%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)



- Cyan (46%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1458, 0.2723, 0.3824 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 78.1458, 0.2723, 0.3824 by changing the saturation by 10% instead.

 78.1458, 0.2723,
0.3824


 78.1458, 0.2723,
0.3824


488.6618, 0.2912,
0.3571

 58.1938, 0.2680,
0.3883


 130.7556, 0.2789,
0.3735

 41.9644, 0.2626,
0.3957


 164.1822, 0.2814,
0.3701

 29.0734, 0.2557,
0.4052


202.8691, 0.2836,
0.3671

 19.1364, 0.2468,
0.4179

247.2007, 0.2855,
0.3646

 11.7689, 0.2345,
0.4354

297.5613, 0.2872,
0.3624

 6.5865, 0.2168,
0.4614


354.3355, 0.2887,


 3.2049, 0.1891,

0.3604

417.9075, 0.2900,
0.3586


0.5035


 1.2396, 0.0584,
0.6602


 0.0937, 0.0000,
1.0000


 78.1458, 0.2723,
0.3824


 78.1458, 0.2723,
0.3824


 75.8168, 0.2663,
0.3969


 80.9998, 0.2798,
0.3688


 73.9686, 0.2619,
0.4119

 84.4008, 0.2883,
0.3561


 72.5649, 0.2596,
0.4272


 88.3809, 0.2977,
0.3445

 71.5602, 0.2593,
0.4425

 92.9670, 0.3075,
0.3340

 70.8983, 0.2610,
0.4575

 96.8311, 0.3131,
0.3246

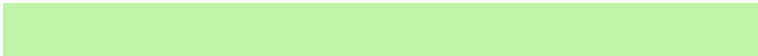
 70.6631, 0.2624,
0.4645

 96.8522, 0.3129,
0.3242

Harmonies

Analogous

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



78.1458, 0.3212, 0.4166



78.1458, 0.2723, 0.3824



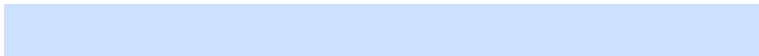
78.1458, 0.2361, 0.3314

Triad

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



78.1458, 0.2723, 0.3824



78.1458, 0.2530, 0.2473



78.1458, 0.4151, 0.3597

Complementary

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



78.1458, 0.2723, 0.3824



41.5522, 0.3858, 0.2827

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.



78.1458, 0.3945, 0.3191



78.1458, 0.2723, 0.3824



78.1458, 0.2974, 0.2573

Square

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



78.1458, 0.2723, 0.3824



78.1458, 0.2261, 0.2560



78.1458, 0.3499, 0.2828



78.1458, 0.4053, 0.3969

Rectangle

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



78.1458, 0.2723, 0.3824



78.1458, 0.2230, 0.2989



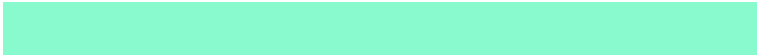
78.1458, 0.3499, 0.2828



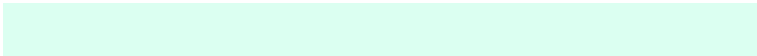
78.1458, 0.4116, 0.3461

Sweetspot

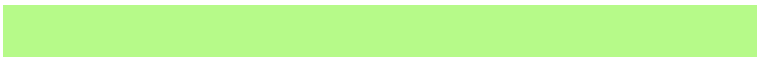
The Sweet Spot groups the original color and five complimentary colors.



78.1490, 0.2723, 0.3824



92.9840, 0.2988, 0.3432



80.1484, 0.3331, 0.4599



19.6952, 0.2967, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

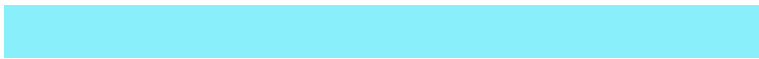
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1490, 0.2723, 0.3824



79.5596, 0.2669, 0.3952



73.7797, 0.2496, 0.3156



19.4875, 0.3032, 0.3384



37.5104, 0.2617, 0.4621



3.4949, 0.2568, 0.4444

Inverse Universe

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



41.5522, 0.3858, 0.2827



36.9883, 0.4082, 0.2747



43.4062, 0.4292, 0.3414



17.3370, 0.3233, 0.3198



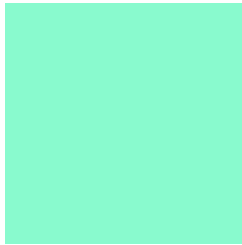
11.2672, 0.5426, 0.2763



1.0636, 0.5106, 0.2587

Previews

White Background



This preview shows how the Yxy color 78.1458, 0.2723, 0.3824 looks on a white background.

Color Contrast Check

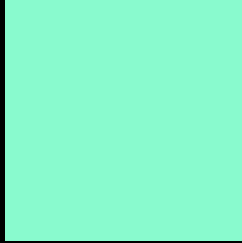
Large Text (above 18pt) WCAG AA × Fail

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 78.1458, 0.2723, 0.3824 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 78.1458, 0.2723, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 78.1458, 0.2723, 0.3824.

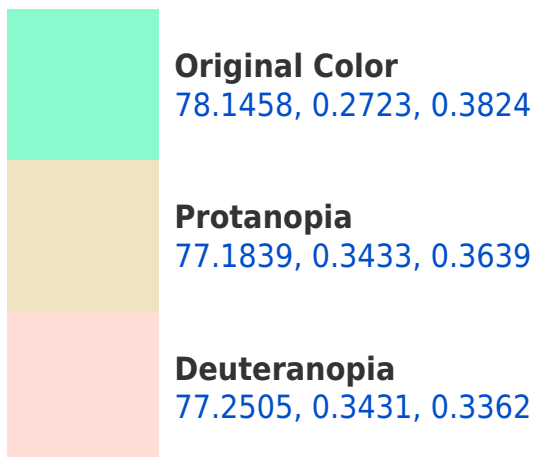


This preview shows how white text looks on a background with the Yxy color 78.1458, 0.2723, 0.3824.

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

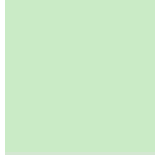
77.6109, 0.2634, 0.3111

Trichromacy



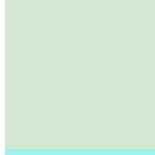
Original Color

78.1458, 0.2723, 0.3824



Protanomaly

76.0504, 0.3134, 0.3709



Deuteranomaly

75.8020, 0.3130, 0.3522



Tritanomaly

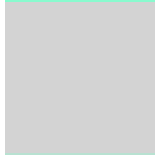
77.5865, 0.2667, 0.3358

Monochromacy



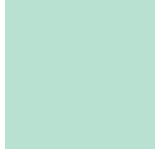
Original Color

78.1458, 0.2723, 0.3824



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.6442, 0.2949, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1458, 0.2723, 0.3824 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(137, 250, 206)` looks like.

```
.text, #text, p{  
    color:rgb(137, 250, 206)  
}
```

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(137, 250, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 250, 206) }
```

Border

The CSS property to change the border of an element to Yxy 78.1458, 0.2723, 0.3824 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(137, 250, 206) }
```

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

```
.border{ border-color:rgb(137, 250, 206) }
```

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

Here you see how a box with a 4 pixel rgb(137, 250, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 250, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 250, 206);  
box-shadow:4px 4px 4px 4px rgb(137, 250,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1458, 0.2723, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 250, 206) }
```

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

```
.background{ background-color: rgb(137,  
250, 206) }
```

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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