

Converting Colors

$Yxy(77.7217, 0.2623, 0.4081)$

Have a look what the booklet for
Yxy(77.7217, 0.2623, 0.4081)
contains.

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Color

Yxy(77.7499, 0.2624, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	5EFFC1
RGB	94, 255, 193
RGB Percent	37%, 100%, 76%
CMY	0.6311, 0.0000, 0.2432
CMYK	0.63, 0.00, 0.24, 0.00
HSL	157°, 100%, 68%
HSV	157°, 63%, 100%
XYZ	50.0039, 77.7499, 62.8097
YIQ	199.7930, -76.0540, -53.4140

Conversions

Conversions Part 2

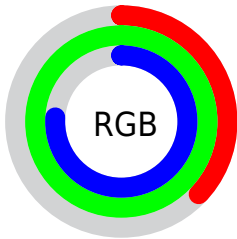
Format	Color
RYB	94, 194, 255
Decimal	6225857
CIELab	90.67, -56.13, 17.42
CIELCh	91, 58.768, 162.760
Yxy	77.7499, 0.2624, 0.4080
Android (android.graphics.Color)	4284415937 (0xFF5EFFC1)
YUV	199.7930, -3.3489, -92.7805
Hunter-Lab	88.1759, -53.0819, 19.4895

Details

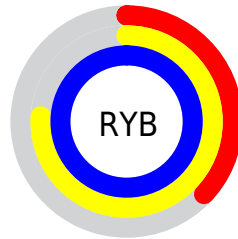
The Yxy color **77.7499, 0.2624, 0.4080** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **31.6794, 0.4350, 0.2688**, and the grayscale version is **57.6906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6912, 0.2619, 0.3344**, and **41.7966, 0.2523, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **76.1944, 0.2596, 0.4231**, and if you desaturate by 10%, it is **79.7843, 0.2671, 0.3932**.

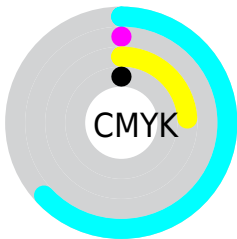
Distribution



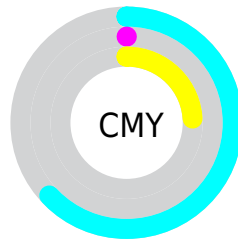
- Red (37%)
- Green (100%)
- Blue (76%)



- Red (37%)
- Yellow (76%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7499, 0.2624, 0.4080 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 77.7499, 0.2624, 0.4080 by changing the saturation by 10% instead.


 77.7499, 0.2624,
0.4080

 77.7499, 0.2624,
0.4080


487.3170, 0.2863,
0.3699


 57.8686, 0.2568,
0.4171


 130.1975, 0.2708,
0.3945

 41.7030, 0.2499,
0.4285

 163.5325, 0.2740,
0.3893

 28.8688, 0.2410,
0.4432


 202.1209, 0.2768,
0.3849

 18.9816, 0.2292,
0.4629

 246.3471, 0.2792,
0.3811

 11.6570, 0.2130,
0.4906

296.5954, 0.2813,
0.3778

 6.5106, 0.1895,
0.5319


353.2502, 0.2831,


 3.1579, 0.1526,


0.3748


0.5993


416.6960, 0.2848,
0.3722

 1.2147, 0.0000,
0.9470


 0.0737, 0.0000,
1.0000

 77.7499, 0.2624,
0.4080


 77.7499, 0.2624,
0.4080


 76.1944, 0.2596,
0.4231


 79.7843, 0.2671,
0.3932


 75.0646, 0.2589,
0.4383

 82.3307, 0.2735,
0.3790

 74.3066, 0.2602,
0.4532

 85.4273, 0.2813,
0.3657

 73.9451, 0.2620,
0.4633

 89.1064, 0.2901,
0.3534

■ 93.3980, 0.2996,
0.3421

■ 98.3298, 0.3096,
0.3319

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.7499, 0.3272, 0.4521



77.7499, 0.2624, 0.4080



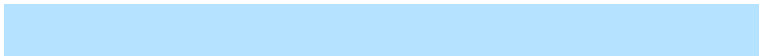
77.7499, 0.2144, 0.3363

Triad

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



77.7499, 0.2624, 0.4080



77.7499, 0.2301, 0.2227



77.7499, 0.4496, 0.3614

Complementary

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



77.7499, 0.2624, 0.4080



31.6794, 0.4350, 0.2688

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.



77.7499, 0.4191, 0.3100



77.7499, 0.2624, 0.4080



77.7499, 0.2858, 0.2342

Square

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



77.7499, 0.2624, 0.4080



77.7499, 0.1984, 0.2343



77.7499, 0.3561, 0.2652



77.7499, 0.4377, 0.4119

Rectangle

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



77.7499, 0.2624, 0.4080



77.7499, 0.1969, 0.2913



77.7499, 0.3561, 0.2652



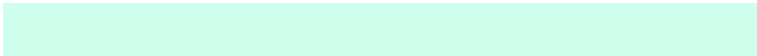
77.7499, 0.4441, 0.3440

Sweetspot

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



77.7522, 0.2624, 0.4080



90.7959, 0.2939, 0.3486



79.6427, 0.3356, 0.5143



19.1802, 0.2912, 0.3519



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.



77.7522, 0.2624, 0.4080



75.8266, 0.2592, 0.4275



71.2809, 0.2323, 0.3095



20.3559, 0.3032, 0.3383



38.6680, 0.2614, 0.4609



3.7864, 0.2567, 0.4441

Inverse Universe

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



31.6794, 0.4350, 0.2688



26.3932, 0.4755, 0.2650



33.2546, 0.5060, 0.3444



18.1030, 0.3233, 0.3199



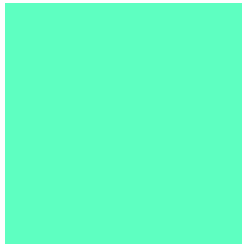
11.5992, 0.5443, 0.2772



1.1500, 0.5137, 0.2604

Previews

White Background



This preview shows how the Yxy color 77.7499, 0.2624, 0.4080 looks on a white background.

Color Contrast Check

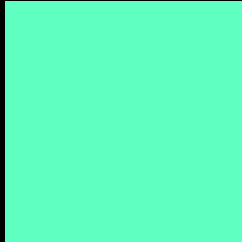
Large Text (above 18pt) WCAG AA × Fail

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 77.7499, 0.2624, 0.4080 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 77.7499, 0.2624, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 77.7499, 0.2624, 0.4080.



This preview shows how white text looks on a background with the Yxy color 77.7499, 0.2624, 0.4080.

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

77.7499, 0.2624, 0.4080

Protanopia

76.3482, 0.3553, 0.3788

Deuteranopia

76.2348, 0.3504, 0.3454



Tritanopia

76.9111, 0.2576, 0.3120

Trichromacy



Original Color

77.7499, 0.2624, 0.4080



Protanomaly

74.7204, 0.3124, 0.3912



Deuteranomaly

73.5725, 0.3089, 0.3670



Tritanomaly

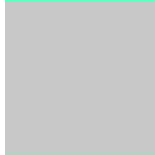
76.2819, 0.2582, 0.3443

Monochromacy



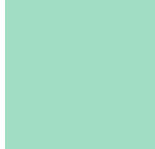
Original Color

77.7499, 0.2624, 0.4080



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7947, 0.2871, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7499, 0.2624, 0.4080 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(94, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 193)  
}
```

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(94, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 77.7499, 0.2624, 0.4080 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(94, 255, 193) }
```

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

```
.border{ border-color:rgb(94, 255, 193) }
```

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

Here you see how a box with a 4 pixel rgb(94, 255, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7499, 0.2624, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 193) }
```

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

```
.background{ background-color: rgb(94, 255,  
193) }
```

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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