

Converting Colors

$Y_{xy}(77.5786, 0.2715, 0.4271)$

Have a look what the booklet for
Yxy(77.5786, 0.2715, 0.4271)
contains.

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Color

Yxy(77.5591, 0.2717, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	66FFB2
RGB	102, 255, 178
RGB Percent	40%, 100%, 70%
CMY	0.6004, 0.0000, 0.3018
CMYK	0.60, 0.00, 0.30, 0.00
HSL	150°, 100%, 70%
HSV	150°, 60%, 100%
XYZ	49.2701, 77.5591, 54.5108
YIQ	200.4750, -66.4710, -56.3830

Conversions

Conversions Part 2

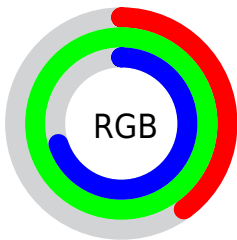
Format	Color
RYB	102, 204, 255
Decimal	6750130
CIELab	90.58, -57.74, 24.95
CIELCh	91, 62.896, 156.630
Yxy	77.5591, 0.2717, 0.4277
Android (android.graphics.Color)	4284940210 (0xFF66FFB2)
YUV	200.4750, -11.0802, -86.3626
Hunter-Lab	88.0676, -54.2553, 24.9489

Details

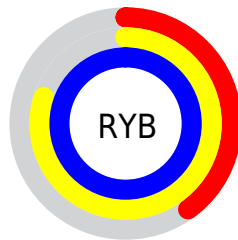
The Yxy color **77.5591, 0.2717, 0.4277** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.9942, 0.4026, 0.2530**, and the grayscale version is **58.1516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4598, 0.2728, 0.3525**, and **41.4987, 0.2605, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **75.7978, 0.2692, 0.4477**, and if you desaturate by 10%, it is **79.8187, 0.2759, 0.4082**.

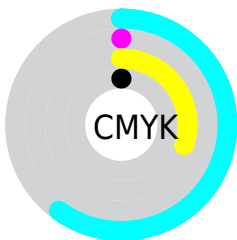
Distribution



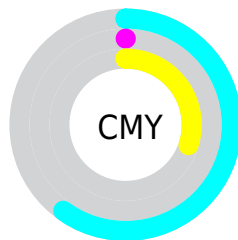
- Red (40%)
- Green (100%)
- Blue (70%)



- Red (40%)
- Yellow (80%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5591, 0.2717, 0.4277 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 77.5591, 0.2717, 0.4277 by changing the saturation by 10% instead.


 77.5591, 0.2717,
0.4277

 77.5591, 0.2717,
0.4277

486.6682, 0.2919,
0.3795


 57.7119, 0.2668,
0.4393


 129.9284, 0.2790,
0.4105

 41.5770, 0.2606,
0.4539


 163.2193, 0.2817,
0.4040

 28.7703, 0.2524,
0.4729


 201.7601, 0.2840,
0.3984

 18.9071, 0.2415,
0.4984

245.9354, 0.2861,
0.3936

 11.6032, 0.2258,
0.5343

296.1294, 0.2878,
0.3894

 6.4741, 0.2021,
0.5881


352.7266, 0.2893,


 3.1354, 0.1633,


0.3857


0.6775

416.1114, 0.2907,
0.3824


 1.2028, 0.0000,
1.0000


 0.0640, 0.0000,
1.0000


 77.5591, 0.2717,
0.4277


 77.5591, 0.2717,
0.4277


 75.7978, 0.2692,
0.4477


 79.8187, 0.2759,
0.4082


 74.5015, 0.2688,
0.4676

 82.6275, 0.2817,
0.3896

 73.6129, 0.2703,
0.4869

 86.0169, 0.2885,
0.3722

 73.0472, 0.2736,
0.5050

 90.0192, 0.2962,
0.3563

 94.6641, 0.3043,
0.3419

99.9796, 0.3127,
0.3290

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.



77.5591, 0.3421, 0.4648



77.5591, 0.2717, 0.4277



77.5591, 0.2162, 0.3526

Triad

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



77.5591, 0.2717, 0.4277



77.5591, 0.2158, 0.2166



77.5591, 0.4562, 0.3511

Complementary

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



77.5591, 0.2717, 0.4277



33.9942, 0.4026, 0.2530

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.



77.5591, 0.4149, 0.2978



77.5591, 0.2717, 0.4277



77.5591, 0.2698, 0.2243

Square

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



77.5591, 0.2717, 0.4277



77.5591, 0.1880, 0.2339



77.5591, 0.3431, 0.2531



77.5591, 0.4519, 0.4057

Rectangle

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



77.5591, 0.2717, 0.4277



77.5591, 0.1939, 0.3018



77.5591, 0.3431, 0.2531



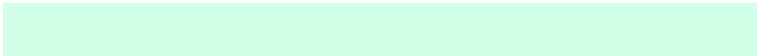
77.5591, 0.4473, 0.3328

Sweetspot

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



77.5552, 0.2717, 0.4277



90.9118, 0.2978, 0.3533



82.3019, 0.3469, 0.4990



19.1875, 0.2955, 0.3577



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.



77.5552, 0.2717, 0.4277



75.5083, 0.2690, 0.4516



81.3962, 0.2400, 0.3318



20.3188, 0.3048, 0.3412



38.1988, 0.2728, 0.5021



3.7413, 0.2670, 0.4812

Inverse Universe

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



33.9942, 0.4026, 0.2530



28.4871, 0.4308, 0.2445



31.7536, 0.4998, 0.3272



18.1394, 0.3215, 0.3171



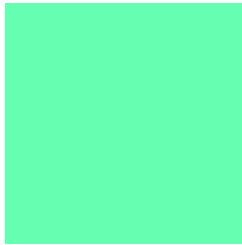
11.9561, 0.4953, 0.2502



1.1862, 0.4700, 0.2363

Previews

White Background



This preview shows how the Yxy color 77.5591, 0.2717, 0.4277 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 77.5591, 0.2717, 0.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

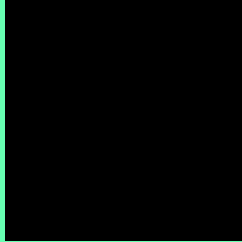
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5591, 0.2717, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 77.5591, 0.2717, 0.4277.

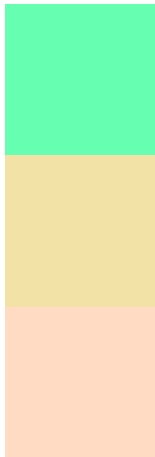


This preview shows how white text looks on a background with the Yxy color 77.5591, 0.2717, 0.4277.

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

77.5591, 0.2717, 0.4277

Protanopia

76.1640, 0.3663, 0.3933

Deuteranopia

75.8632, 0.3562, 0.3536



Tritanopia

77.0138, 0.2581, 0.3120

Trichromacy



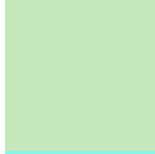
Original Color

77.5591, 0.2717, 0.4277



Protanomaly

74.6771, 0.3234, 0.4075



Deuteranomaly

73.5295, 0.3171, 0.3786



Tritanomaly

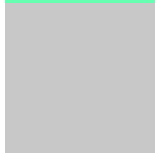
76.3398, 0.2623, 0.3503

Monochromacy



Original Color

77.5591, 0.2717, 0.4277



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8847, 0.2920, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5591, 0.2717, 0.4277 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(102, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 178)  
}
```

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(102, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 77.5591, 0.2717, 0.4277 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(102, 255, 178) }
```

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

```
.border{ border-color:rgb(102, 255, 178) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
178) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.5591, 0.2717, 0.4277$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 178) }
```

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

```
.background{ background-color: rgb(102,  
255, 178) }
```

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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