

Converting Colors

$Y_{xy}(76.8670, 0.2270, 0.3285)$

Have a look what the booklet for
Yxy(76.8670, 0.2270, 0.3285)
contains.

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Color

$Y_{xy}(77.1002, 0.2271, 0.3287)$

Conversions

Conversions Part 1

Format	Color
Hex	28FCFC
RGB	40, 252, 252
RGB Percent	16%, 99%, 99%
CMY	0.8418, 0.0118, 0.0117
CMYK	0.84, 0.00, 0.00, 0.01
HSL	180°, 97%, 57%
HSV	180°, 84%, 99%
XYZ	53.2688, 77.1002, 104.1920
YIQ	188.6120, -126.3520, -44.9440

Conversions

Conversions Part 2

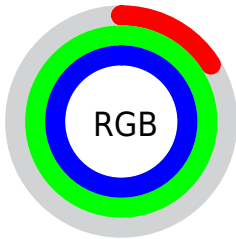
Format	Color
RYB	40, 146, 252
Decimal	2686204
CIELab	90.37, -46.24, -13.69
CIELCh	90, 48.228, 196.494
Yxy	77.1002, 0.2271, 0.3287
Android (android.graphics.Color)	4280876284 (0xFF28FCFC)
YUV	188.6120, 31.2503, -130.3327
Hunter-Lab	87.8067, -45.3730, -8.8892

Details

The Yxy color **77.1002, 0.2271, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.3997, 0.6085, 0.3299**, and the grayscale version is **50.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **42.9703, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **76.7450, 0.2252, 0.3287**, and if you desaturate by 10%, it is **77.7904, 0.2307, 0.3287**.

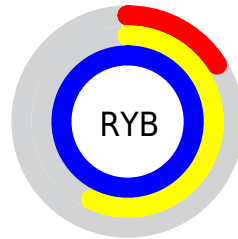
Distribution



Red (16%)

Green (99%)

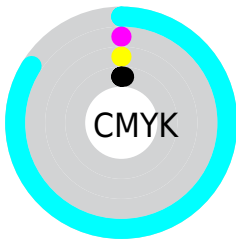
Blue (99%)



Red (16%)

Yellow (57%)

Blue (99%)

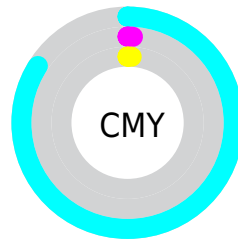


Cyan (84%)

Magenta (0%)

Yellow (0%)

Black (1%)



Cyan (84%)


Magenta (1%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1002, 0.2271, 0.3287 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 77.1002, 0.2271, 0.3287 by changing the saturation by 10% instead.


 77.1002, 0.2271,
0.3287

 77.1002, 0.2271,
0.3287


485.1056, 0.2651,
0.3301


 57.3351, 0.2189,
0.3281

 129.2809, 0.2399,
0.3294


 41.2744, 0.2089,
0.3272


 162.4653, 0.2450,
0.3296

 28.5335, 0.1967,
0.3259


 200.8917, 0.2495,
0.3298

 18.7282, 0.1813,
0.3238

 244.9443, 0.2533,
0.3299

 11.4741, 0.1616,
0.3204

295.0076, 0.2568,
0.3300

 6.3866, 0.1357,
0.3143

351.4660, 0.2599,

 3.0816, 0.1009,

0.3300

414.7038, 0.2626,
0.3301

0.3028

■ 1.1745, 0.0000,
0.2942

■ 0.0407, 0.0000,
0.0390

■ 77.1002, 0.2271,
0.3287

■ 77.1002, 0.2271,
0.3287

■ 76.7450, 0.2252,
0.3287

■ 77.7904, 0.2307,
0.3287

■ 76.6405, 0.2246,
0.3287

■ 78.8621, 0.2363,
0.3287

■ 80.3632, 0.2438,
0.3288

■ 82.3326, 0.2532,
0.3288

84.8048, 0.2644,
0.3288

87.8111, 0.2772,
0.3289

91.3802, 0.2913,
0.3289

95.5388, 0.3065,
0.3290

97.9305, 0.3146,
0.3290

Harmonies

Analogous

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



77.1002, 0.2657, 0.3864



77.1002, 0.2271, 0.3287



77.1002, 0.2109, 0.2780

Triad

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



77.1002, 0.2271, 0.3287



77.1002, 0.2978, 0.2513



77.1002, 0.4137, 0.4047

Complementary

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



77.1002, 0.2271, 0.3287



22.3997, 0.6085, 0.3299

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.



77.1002, 0.4264, 0.3637



77.1002, 0.2271, 0.3287



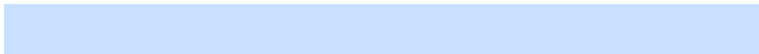
77.1002, 0.3561, 0.2797

Square

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



77.1002, 0.2271, 0.3287



77.1002, 0.2486, 0.2395



77.1002, 0.4050, 0.3194



77.1002, 0.3735, 0.4304

Rectangle

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



77.1002, 0.2271, 0.3287



77.1002, 0.2133, 0.2553



77.1002, 0.4050, 0.3194



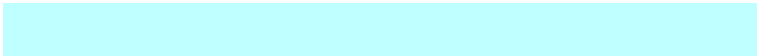
77.1002, 0.4215, 0.3920

Sweetspot

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



77.1031, 0.2271, 0.3287



89.8415, 0.2759, 0.3289



70.2523, 0.3007, 0.5852



18.9881, 0.2712, 0.3289



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.



77.1031, 0.2271, 0.3287



78.7110, 0.2246, 0.3287



28.1031, 0.1882, 0.1838



19.6081, 0.2980, 0.3290



39.9129, 0.2246, 0.3287



3.6968, 0.2246, 0.3287

Inverse Universe

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



29.2692, 0.3207, 0.1605



28.4771, 0.3210, 0.1542



41.4713, 0.5101, 0.4160



17.5246, 0.3138, 0.3056



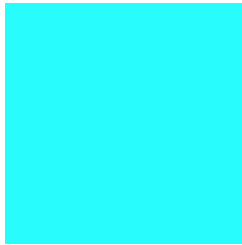
14.4401, 0.3210, 0.1542



1.3374, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 77.1002, 0.2271, 0.3287 looks on a white background.

Color Contrast Check

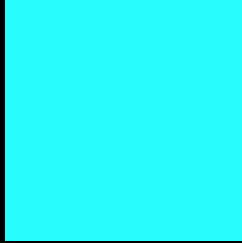
Large Text (above 18pt) WCAG AA × Fail

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 77.1002, 0.2271, 0.3287 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 77.1002, 0.2271, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 77.1002, 0.2271, 0.3287.

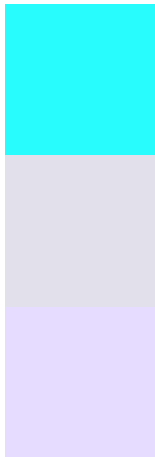


This preview shows how white text looks on a background with the Yxy color 77.1002, 0.2271, 0.3287.

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

77.1002, 0.2271, 0.3287

Protanopia

75.4782, 0.3070, 0.3174

Deuteranopia

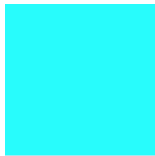
75.2294, 0.2972, 0.2932



Tritanopia

76.2416, 0.2518, 0.3129

Trichromacy



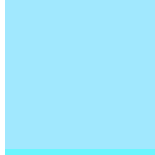
Original Color

77.1002, 0.2271, 0.3287



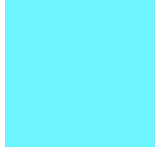
Protanomaly

72.4656, 0.2629, 0.3207



Deuteranomaly

72.4460, 0.2577, 0.3039



Tritanomaly

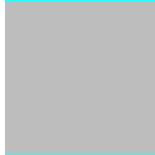
75.6487, 0.2386, 0.3182

Monochromacy



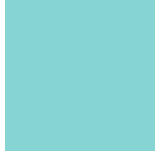
Original Color

77.1002, 0.2271, 0.3287



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9913, 0.2621, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1002, 0.2271, 0.3287 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(40, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(40, 252, 252)  
}
```

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(40, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 252, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.1002, 0.2271, 0.3287 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(40, 252, 252) }
```

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

```
.border{ border-color:rgb(40, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(40, 252,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1002, 0.2271, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 252, 252) }
```

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

```
.background{ background-color: rgb(40, 252,  
252) }
```

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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