

Converting Colors

$Y_{xy}(79.5795, 0.2336, 0.3367)$

Have a look what the booklet for
Yxy(79.5795, 0.2336, 0.3367)
contains.

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Color

Yxy(79.5625, 0.2337, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	45FFF8
RGB	69, 255, 248
RGB Percent	27%, 100%, 97%
CMY	0.7304, 0.0000, 0.0275
CMYK	0.73, 0.00, 0.03, 0.00
HSL	178°, 100%, 63%
HSV	178°, 73%, 100%
XYZ	55.1416, 79.5625, 101.2463
YIQ	198.5880, -108.6090, -41.6090

Conversions

Conversions Part 2

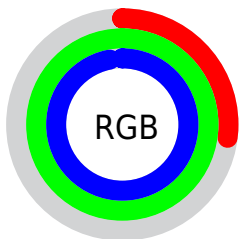
Format	Color
RYB	69, 164, 255
Decimal	4587512
CIELab	91.49, -46.30, -9.89
CIELCh	91, 47.341, 192.053
Yxy	79.5625, 0.2337, 0.3372
Android (android.graphics.Color)	4282777592 (0xFF45FFF8)
YUV	198.5880, 24.3601, -113.6487
Hunter-Lab	89.1978, -45.7484, -4.8602

Details

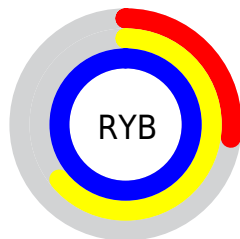
The Yxy color **79.5625, 0.2337, 0.3372** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.0031, 0.5573, 0.3246**, and the grayscale version is **56.6962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **43.7383, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **78.7560, 0.2302, 0.3384**, and if you desaturate by 10%, it is **80.7489, 0.2392, 0.3359**.

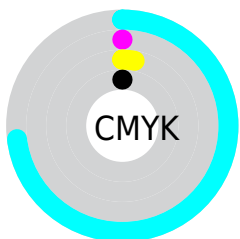
Distribution



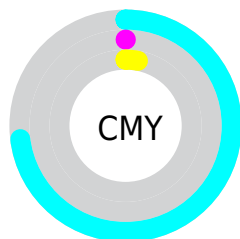
- Red (27%)
- Green (100%)
- Blue (97%)



- Red (27%)
- Yellow (64%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5625, 0.2337, 0.3372 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 79.5625, 0.2337, 0.3372 by changing the saturation by 10% instead.

 79.5625, 0.2337,
0.3372


 79.5625, 0.2337,
0.3372

493.4572, 0.2688,
0.3344

 59.3584, 0.2261,
0.3376


 132.7505, 0.2456,
0.3364

 42.9017, 0.2168,
0.3380


 166.5031, 0.2503,
0.3361

 29.8080, 0.2055,
0.3383


 205.5407, 0.2544,
0.3358

 19.6929, 0.1912,
0.3383

 250.2477, 0.2579,
0.3354

 12.1720, 0.1727,
0.3379

301.0085, 0.2611,
0.3352

 6.8609, 0.1481,
0.3363

358.2074, 0.2640,

 3.3753, 0.1145,

0.3349

422.2288, 0.2665,
0.3347

0.3318

1.3307, 0.0198,
0.3354

0.1648, 0.0000,
0.1591

79.5625, 0.2337,
0.3372

79.5625, 0.2337,
0.3372

78.7560, 0.2302,
0.3384

80.7489, 0.2392,
0.3359

78.3041, 0.2284,
0.3397

82.3911, 0.2466,
0.3347


78.1370, 0.2279,
0.3405


84.5186, 0.2560,
0.3335

87.1665, 0.2670,
0.3323

 90.3667, 0.2796,
0.3312

 94.1487, 0.2934,
0.3302

 98.5396, 0.3081,
0.3293

 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.



79.5625, 0.2742, 0.3920



79.5625, 0.2337, 0.3372



79.5625, 0.2144, 0.2858

Triad

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



79.5625, 0.2337, 0.3372



79.5625, 0.2904, 0.2505



79.5625, 0.4147, 0.3976

Complementary

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



79.5625, 0.2337, 0.3372



26.0031, 0.5573, 0.3246

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.



79.5625, 0.4222, 0.3567



79.5625, 0.2337, 0.3372



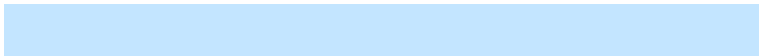
79.5625, 0.3466, 0.2761

Square

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



79.5625, 0.2337, 0.3372



79.5625, 0.2447, 0.2416



79.5625, 0.3967, 0.3136



79.5625, 0.3790, 0.4254

Rectangle

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



79.5625, 0.2337, 0.3372



79.5625, 0.2145, 0.2614



79.5625, 0.3967, 0.3136



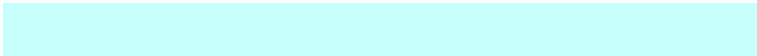
79.5625, 0.4208, 0.3847

Sweetspot

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



79.5524, 0.2337, 0.3372



90.7331, 0.2810, 0.3311



73.5686, 0.3046, 0.5606



19.2193, 0.2774, 0.3314



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.



79.5524, 0.2337, 0.3372



78.4929, 0.2291, 0.3390



37.6714, 0.2030, 0.2180



20.4690, 0.2985, 0.3299



40.8335, 0.2279, 0.3403



3.9794, 0.2275, 0.3389

Inverse Universe

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



26.0031, 0.5573, 0.3246



22.3660, 0.6146, 0.3266



44.3248, 0.4908, 0.4057



17.9981, 0.3289, 0.3281



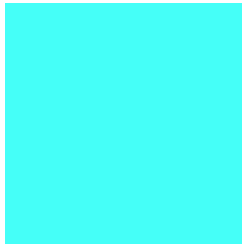
11.1246, 0.6363, 0.3279



1.0869, 0.6273, 0.3229

Previews

White Background



This preview shows how the Yxy color 79.5625, 0.2337, 0.3372 looks on a white background.

Color Contrast Check

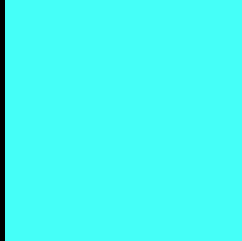
Large Text (above 18pt) WCAG AA × Fail

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 79.5625, 0.2337, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

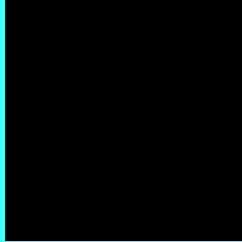
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5625, 0.2337, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 79.5625, 0.2337, 0.3372.

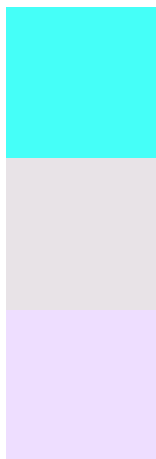


This preview shows how white text looks on a background with the Yxy color 79.5625, 0.2337, 0.3372.

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

79.5625, 0.2337, 0.3372

Protanopia

77.8635, 0.3136, 0.3248

Deuteranopia

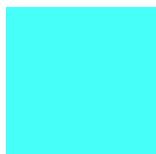
77.6397, 0.3026, 0.2958



Tritanopia

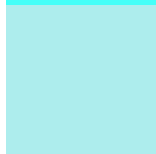
78.5108, 0.2599, 0.3143

Trichromacy



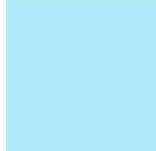
Original Color

79.5625, 0.2337, 0.3372



Protanomaly

75.5670, 0.2733, 0.3289



Deuteranomaly

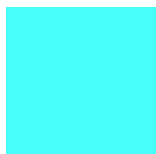
75.1040, 0.2669, 0.3088



Tritanomaly

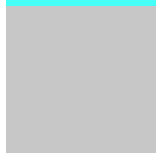
78.2169, 0.2473, 0.3230

Monochromacy



Original Color

79.5625, 0.2337, 0.3372



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.3482, 0.2700, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5625, 0.2337, 0.3372 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(69, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(69, 255, 248)  
}
```

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(69, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 79.5625, 0.2337, 0.3372 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(69, 255, 248) }
```

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

```
.border{ border-color:rgb(69, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(69, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(69, 255,  
248) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.5625, 0.2337, 0.3372$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 255, 248) }
```

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

```
.background{ background-color: rgb(69, 255,  
248) }
```

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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