

Converting Colors

$Yxy(70.7771, 0.2492, 0.3328)$

Have a look what the booklet for
Yxy(70.7771, 0.2492, 0.3328)
contains.

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Color

Yxy(71.0827, 0.2496, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	78EEEA
RGB	120, 238, 234
RGB Percent	47%, 93%, 92%
CMY	0.5295, 0.0666, 0.0823
CMYK	0.50, 0.00, 0.02, 0.07
HSL	178°, 78%, 70%
HSV	178°, 50%, 93%
XYZ	53.1682, 71.0827, 88.7628
YIQ	202.2620, -69.0440, -26.2600

Conversions

Conversions Part 2

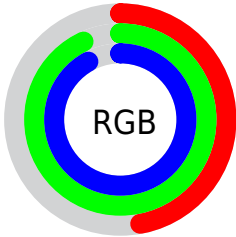
Format	Color
R _Y B	120, 180, 238
Decimal	7925482
CIE Lab	87.53, -34.25, -8.34
CIE LCh	88, 35.252, 193.687
Yxy	71.0827, 0.2496, 0.3337
Android (android.graphics.Color)	4286115562 (0xFF78EEEA)
YUV	202.2620, 15.6468, -72.1438
Hunter-Lab	84.3106, -34.9771, -3.4036

Details

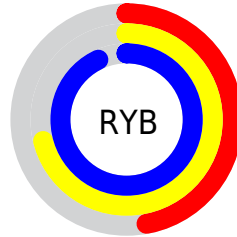
The Yxy color **71.0827, 0.2496, 0.3337** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.0585, 0.4485, 0.3250**, and the grayscale version is **59.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **37.4825, 0.2356, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **69.5443, 0.2415, 0.3348**, and if you desaturate by 10%, it is **73.0497, 0.2596, 0.3326**.

Distribution



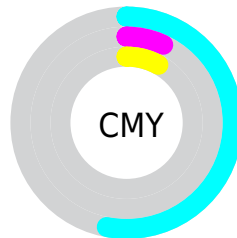
- Red (47%)
- Green (93%)
- Blue (92%)



- Red (47%)
- Yellow (71%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0827, 0.2496, 0.3337 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 71.0827, 0.2496, 0.3337 by changing the saturation by 10% instead.


 71.0827, 0.2496,
0.3337


 71.0827, 0.2496,
0.3337

464.3425, 0.2784,
0.3322

 52.4097, 0.2431,
0.3339


 120.7515, 0.2595,
0.3333

 37.3317, 0.2352,
0.3341


 152.5160, 0.2634,
0.3331

 25.4644, 0.2254,
0.3342


 189.4132, 0.2667,
0.3329

 16.4234, 0.2126,
0.3340

231.8274, 0.2696,
0.3327

 9.8243, 0.1957,
0.3335

280.1431, 0.2722,
0.3326

 5.2826, 0.1723,
0.3319

334.7445, 0.2745,

 2.4140, 0.1382,

0.3324

396.0162, 0.2766,
0.3323

0.3275

0.8331, 0.0000,
0.3436

0.0000, 0.0000,
0.0000

71.0827, 0.2496,
0.3337

71.0827, 0.2496,
0.3337

69.5443, 0.2415,
0.3348

73.0497, 0.2596,
0.3326

68.3941, 0.2352,
0.3359


75.4656, 0.2712,
0.3316

67.5986, 0.2310,
0.3370


78.3593, 0.2842,
0.3307

67.1144, 0.2286,
0.3381

81.7550, 0.2984,
0.3298

 66.8715, 0.2276,
0.3392


 85.6752, 0.3133,
0.3290

 66.8635, 0.2276,
0.3393

 88.6368, 0.3235,
0.3282

 88.6846, 0.3230,
0.3274

 88.7326, 0.3225,
0.3266

 88.7808, 0.3220,
0.3259

Harmonies

Analogous

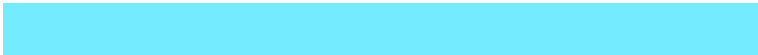
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0827, 0.2812, 0.3748



71.0827, 0.2496, 0.3337



71.0827, 0.2347, 0.2946

Triad

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



71.0827, 0.2496, 0.3337



71.0827, 0.2981, 0.2674



71.0827, 0.3912, 0.3854

Complementary

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



71.0827, 0.2496, 0.3337



33.0585, 0.4485, 0.3250

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.



71.0827, 0.3976, 0.3541



71.0827, 0.2496, 0.3337



71.0827, 0.3417, 0.2887

Square

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



71.0827, 0.2496, 0.3337



71.0827, 0.2611, 0.2598



71.0827, 0.3791, 0.3195



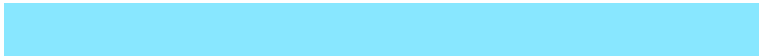
71.0827, 0.3632, 0.4044

Rectangle

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



71.0827, 0.2496, 0.3337



71.0827, 0.2353, 0.2755



71.0827, 0.3791, 0.3195



71.0827, 0.3961, 0.3758

Sweetspot

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



71.0855, 0.2496, 0.3337



93.3702, 0.2905, 0.3303



66.9349, 0.3085, 0.4853



19.8094, 0.2876, 0.3304



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.



71.0855, 0.2496, 0.3337



81.2351, 0.2410, 0.3349



44.8164, 0.2345, 0.2595



17.9192, 0.2986, 0.3298



37.3043, 0.2275, 0.3391



3.1063, 0.2271, 0.3376

Inverse Universe

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



33.0585, 0.4485, 0.3250



31.8282, 0.4964, 0.3247



49.4541, 0.4203, 0.3877



15.7675, 0.3288, 0.3282



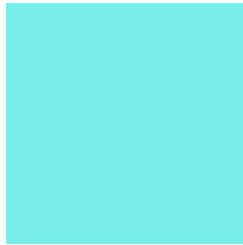
10.1547, 0.6365, 0.3280



0.8478, 0.6271, 0.3228

Previews

White Background



This preview shows how the Yxy color 71.0827, 0.2496, 0.3337 looks on a white background.

Color Contrast Check

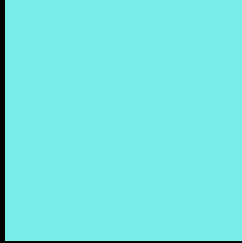
Large Text (above 18pt) WCAG AA × Fail

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 71.0827, 0.2496, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

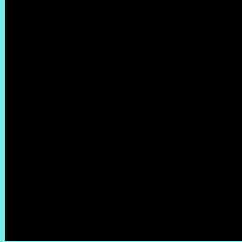
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0827, 0.2496, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 71.0827, 0.2496, 0.3337.

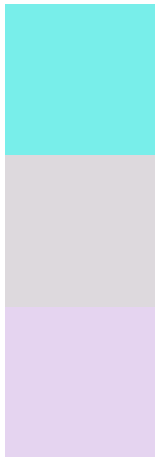


This preview shows how white text looks on a background with the Yxy color 71.0827, 0.2496, 0.3337.

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

71.0827, 0.2496, 0.3337

Protanopia

70.2183, 0.3129, 0.3246

Deuteranopia

70.0363, 0.3062, 0.2996



Tritanopia

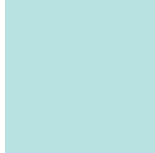
71.0844, 0.2429, 0.3065

Trichromacy



Original Color

71.0827, 0.2496, 0.3337



Protanomaly

69.5318, 0.2848, 0.3278



Deuteranomaly

68.7048, 0.2807, 0.3097



Tritanomaly

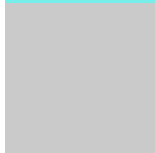
70.9914, 0.2450, 0.3157

Monochromacy



Original Color

71.0827, 0.2496, 0.3337



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.2266, 0.2836, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0827, 0.2496, 0.3337 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(120, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(120, 238, 234)  
}
```

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(120, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 71.0827, 0.2496, 0.3337 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(120, 238, 234) }
```

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

```
.border{ border-color:rgb(120, 238, 234) }
```

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

Here you see how a box with a 4 pixel rgb(120, 238, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(120, 238,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0827, 0.2496, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 238, 234) }
```

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

```
.background{ background-color: rgb(120,  
238, 234) }
```

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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