

Converting Colors

$Yxy(69.6471, 0.2476, 0.3313)$

Have a look what the booklet for
Yxy(69.6471, 0.2476, 0.3313)
contains.

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Color

Yxy(69.6444, 0.2476, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	74ECEA
RGB	116, 236, 234
RGB Percent	45%, 93%, 92%
CMY	0.5450, 0.0745, 0.0824
CMYK	0.51, 0.00, 0.01, 0.07
HSL	179°, 76%, 69%
HSV	179°, 51%, 93%
XYZ	52.0494, 69.6444, 88.5218
YIQ	199.8920, -70.8780, -26.0620

Conversions

Conversions Part 2

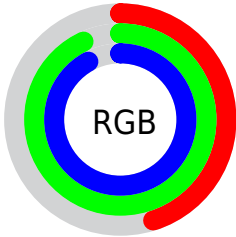
Format	Color
RYB	116, 177, 236
Decimal	7662826
CIELab	86.82, -34.13, -9.38
CIELCh	87, 35.397, 195.373
Yxy	69.6444, 0.2476, 0.3313
Android (android.graphics.Color)	4285852906 (0xFF74ECEA)
YUV	199.8920, 16.8152, -73.5733
Hunter-Lab	83.4532, -34.7136, -4.4737

Details

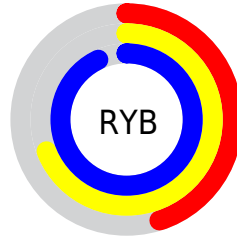
The Yxy color **69.6444, 0.2476, 0.3313** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.6423, 0.4562, 0.3272**, and the grayscale version is **57.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **36.5098, 0.2330, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **68.2065, 0.2396, 0.3318**, and if you desaturate by 10%, it is **71.4985, 0.2575, 0.3308**.

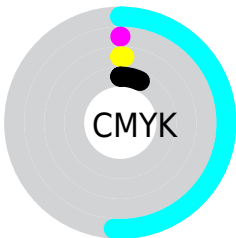
Distribution



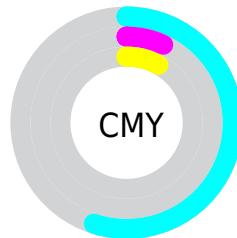
- Red (45%)
- Green (93%)
- Blue (92%)



- Red (45%)
- Yellow (69%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (55%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6444, 0.2476, 0.3313 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 69.6444, 0.2476, 0.3313 by changing the saturation by 10% instead.


 69.6444, 0.2476,
0.3313


 69.6444, 0.2476,
0.3313


459.3004, 0.2774,
0.3309

 51.2367, 0.2409,
0.3312


 118.7015, 0.2578,
0.3313

 36.3970, 0.2327,
0.3310


 150.1197, 0.2618,
0.3313

 24.7410, 0.2225,
0.3306


 186.6435, 0.2653,
0.3312

 15.8842, 0.2093,
0.3299

228.6573, 0.2683,
0.3312

 9.4422, 0.1917,
0.3284

276.5455, 0.2710,
0.3311

 5.0307, 0.1675,
0.3253

330.6925, 0.2734,

 2.2653, 0.1322,

0.3310

0.3184

391.4827, 0.2755,
0.3310

0.7553, 0.0000,
0.3241

0.0000, 0.0000,
0.0000

69.6444, 0.2476,
0.3313

69.6444, 0.2476,
0.3313

68.2065, 0.2396,
0.3318

71.4985, 0.2575,
0.3308

67.1450, 0.2335,
0.3324


73.7891, 0.2691,
0.3303

66.4263, 0.2294,
0.3329

76.5449, 0.2821,
0.3298


66.0067, 0.2270,
0.3335

79.7897, 0.2963,
0.3294


 65.8195, 0.2261,
0.3339

 83.5458, 0.3114,
0.3290

 87.3300, 0.3253,
0.3287

 87.3532, 0.3250,
0.3283

 87.3765, 0.3248,
0.3279

 87.3999, 0.3245,
0.3275

Harmonies

Analogous

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



69.6444, 0.2787, 0.3733



69.6444, 0.2476, 0.3313



69.6444, 0.2336, 0.2923

Triad

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



69.6444, 0.2476, 0.3313



69.6444, 0.3003, 0.2677



69.6444, 0.3910, 0.3875

Complementary

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



69.6444, 0.2476, 0.3313



31.6423, 0.4562, 0.3272

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.



69.6444, 0.3988, 0.3562



69.6444, 0.2476, 0.3313



69.6444, 0.3444, 0.2898

Square

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



69.6444, 0.2476, 0.3313



69.6444, 0.2623, 0.2592



69.6444, 0.3815, 0.3213



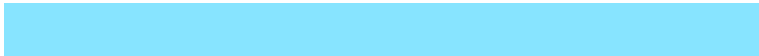
69.6444, 0.3617, 0.4057

Rectangle

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



69.6444, 0.2476, 0.3313



69.6444, 0.2350, 0.2736



69.6444, 0.3815, 0.3213



69.6444, 0.3963, 0.3780

Sweetspot

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



69.6471, 0.2476, 0.3313



93.4119, 0.2902, 0.3296



65.2499, 0.3072, 0.4901



19.8195, 0.2872, 0.3297



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.



69.6471, 0.2476, 0.3313



81.2499, 0.2393, 0.3319



42.4220, 0.2321, 0.2546



17.1172, 0.2984, 0.3294



36.2821, 0.2261, 0.3339



2.8504, 0.2259, 0.3331

Inverse Universe

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



31.6423, 0.4562, 0.3272



31.2300, 0.5044, 0.3272



48.6083, 0.4225, 0.3912



15.0582, 0.3290, 0.3286



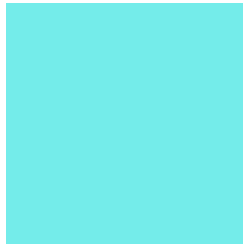
9.8365, 0.6382, 0.3290



0.7739, 0.6332, 0.3262

Previews

White Background



This preview shows how the Yxy color 69.6444, 0.2476, 0.3313 looks on a white background.

Color Contrast Check

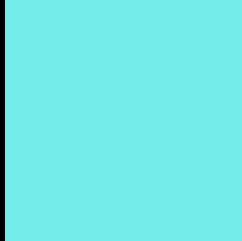
Large Text (above 18pt) WCAG AA × Fail

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 69.6444, 0.2476, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

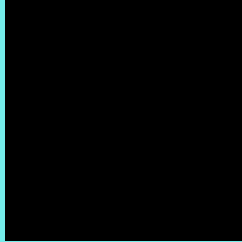
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6444, 0.2476, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 69.6444, 0.2476, 0.3313.

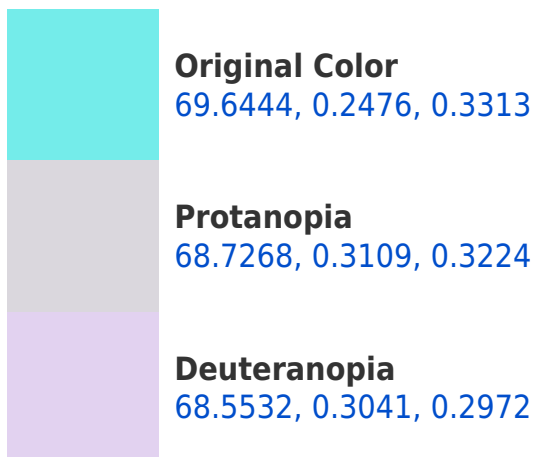


This preview shows how white text looks on a background with the Yxy color 69.6444, 0.2476, 0.3313.

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





Tritanopia

69.4437, 0.2413, 0.3062

Trichromacy



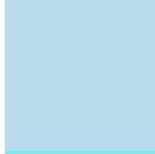
Original Color

69.6444, 0.2476, 0.3313



Protanomaly

68.0901, 0.2828, 0.3254



Deuteranomaly

67.2752, 0.2787, 0.3073



Tritanomaly

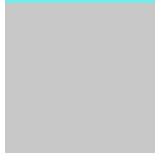
69.4313, 0.2438, 0.3155

Monochromacy



Original Color

69.6444, 0.2476, 0.3313



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.7770, 0.2827, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6444, 0.2476, 0.3313 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(116, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(116, 236, 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(116, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 236, 234) }
```

Border

The CSS property to change the border of an element to Yxy 69.6444, 0.2476, 0.3313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

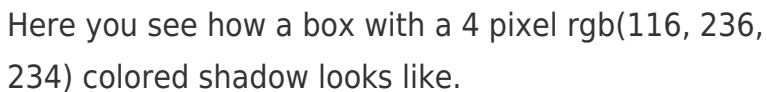
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 236, 234) }
```

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

```
.border{ border-color:rgb(116, 236, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 236, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 236, 234); box-shadow:4px 4px 4px 4px rgb(116, 236, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6444, 0.2476, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 236, 234) }
```

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

```
.background{ background-color: rgb(116,  
236, 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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