

Converting Colors

$Yxy(69.6447, 0.2526, 0.3430)$

Have a look what the booklet for
Yxy(69.6447, 0.2526, 0.3430)
contains.

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Color

Yxy(69.8562, 0.2527, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	76EDE1
RGB	118, 237, 225
RGB Percent	46%, 93%, 88%
CMY	0.5371, 0.0706, 0.1178
CMYK	0.50, 0.00, 0.05, 0.07
HSL	174°, 77%, 70%
HSV	174°, 50%, 93%
XYZ	51.3457, 69.8562, 81.9866
YIQ	200.0510, -67.0720, -28.9600

Conversions

Conversions Part 2

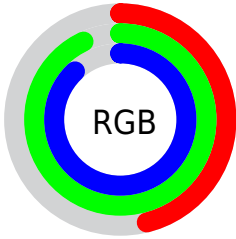
Format	Color
RYB	118, 181, 237
Decimal	7794145
CIELab	86.93, -36.43, -4.49
CIELCh	87, 36.707, 187.031
Yxy	69.8562, 0.2527, 0.3438
Android (android.graphics.Color)	4285984225 (0xFF76EDE1)
YUV	200.0510, 12.2999, -71.9587
Hunter-Lab	83.5800, -36.6071, 0.3464

Details

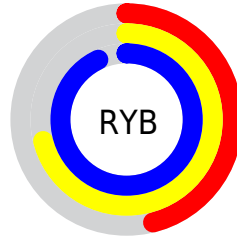
The Yxy color **69.8562, 0.2527, 0.3438** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.5850, 0.4409, 0.3161**, and the grayscale version is **57.7516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **36.7069, 0.2388, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **68.2723, 0.2451, 0.3472**, and if you desaturate by 10%, it is **71.8642, 0.2621, 0.3405**.

Distribution



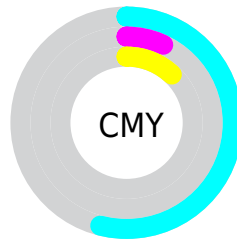
- Red (46%)
- Green (93%)
- Blue (88%)



- Red (46%)
- Yellow (71%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (54%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8562, 0.2527, 0.3438 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 69.8562, 0.2527, 0.3438 by changing the saturation by 10% instead.

 69.8562, 0.2527,
0.3438

 69.8562, 0.2527,
0.3438

460.0449, 0.2803,
0.3373


 51.4093, 0.2465,
0.3452


 119.0037, 0.2622,
0.3416

 36.5345, 0.2388,
0.3468


 150.4730, 0.2659,
0.3408

 24.8473, 0.2291,
0.3488


 187.0520, 0.2692,
0.3400

 15.9633, 0.2166,
0.3513

229.1250, 0.2720,
0.3393

 9.4982, 0.1999,
0.3544

277.0764, 0.2744,
0.3388

 5.0675, 0.1764,
0.3582

331.2906, 0.2766,

 2.2869, 0.1415,

0.3382

392.1520, 0.2785,
0.3378

0.3625

0.7668, 0.0000,
0.3977

0.0000, 0.0000,
0.0000

69.8562, 0.2527,
0.3438

69.8562, 0.2527,
0.3438

68.2723, 0.2451,
0.3472

71.8642, 0.2621,
0.3405

67.0725, 0.2395,
0.3507


74.3166, 0.2730,
0.3373

66.2231, 0.2358,
0.3543

77.2423, 0.2852,
0.3343


65.6808, 0.2340,
0.3577


80.6652, 0.2985,
0.3316


 65.3755, 0.2337,
0.3611

 84.6077, 0.3124,
0.3290

 88.0831, 0.3233,
0.3267

 88.2261, 0.3218,
0.3244

 88.3709, 0.3203,
0.3221

 88.5177, 0.3188,
0.3198

Harmonies

Analogous

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



69.8562, 0.2887, 0.3853



69.8562, 0.2527, 0.3438



69.8562, 0.2330, 0.3009

Triad

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



69.8562, 0.2527, 0.3438



69.8562, 0.2877, 0.2616



69.8562, 0.3986, 0.3812

Complementary

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



69.8562, 0.2527, 0.3438



32.5850, 0.4409, 0.3161

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.



69.8562, 0.3996, 0.3470



69.8562, 0.2527, 0.3438



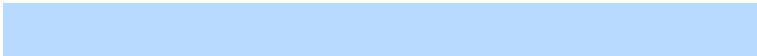
69.8562, 0.3329, 0.2810

Square

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



69.8562, 0.2527, 0.3438



69.8562, 0.2521, 0.2573



69.8562, 0.3749, 0.3113



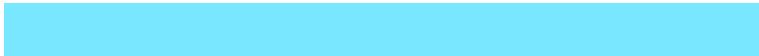
69.8562, 0.3735, 0.4051

Rectangle

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



69.8562, 0.2527, 0.3438



69.8562, 0.2307, 0.2787



69.8562, 0.3749, 0.3113



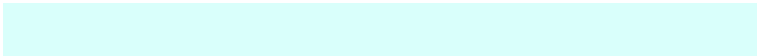
69.8562, 0.4018, 0.3705

Sweetspot

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



69.8589, 0.2527, 0.3438



93.2067, 0.2919, 0.3329



66.7781, 0.3129, 0.4853



19.7695, 0.2891, 0.3335



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.



69.8589, 0.2527, 0.3438



80.6076, 0.2451, 0.3473



47.4055, 0.2357, 0.2694



17.0941, 0.2995, 0.3314



35.7028, 0.2335, 0.3606



2.8111, 0.2322, 0.3557

Inverse Universe

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



32.5850, 0.4409, 0.3161



32.0584, 0.4833, 0.3147



45.7371, 0.4269, 0.3798



15.0788, 0.3277, 0.3266



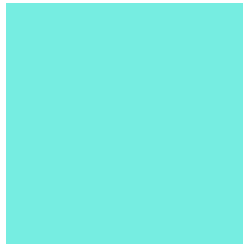
9.8745, 0.6281, 0.3234



0.7837, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 69.8562, 0.2527, 0.3438 looks on a white background.

Color Contrast Check

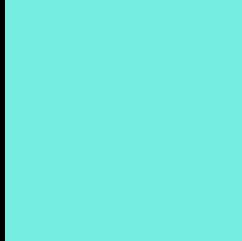
Large Text (above 18pt) WCAG AA × Fail

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 69.8562, 0.2527, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

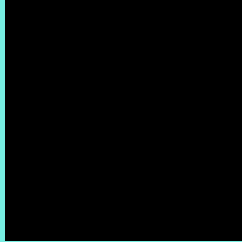
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

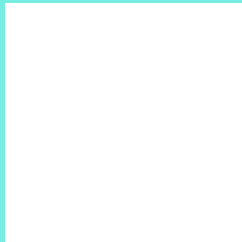
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8562, 0.2527, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 69.8562, 0.2527, 0.3438.

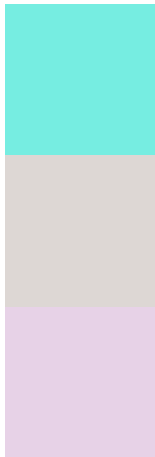


This preview shows how white text looks on a background with the Yxy color 69.8562, 0.2527, 0.3438.

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

69.8562, 0.2527, 0.3438

Protanopia

68.7265, 0.3192, 0.3323

Deuteranopia

68.8516, 0.3138, 0.3067



Tritanopia

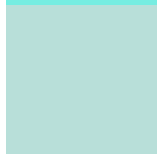
69.8181, 0.2433, 0.3063

Trichromacy



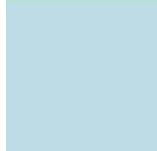
Original Color

69.8562, 0.2527, 0.3438



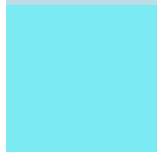
Protanomaly

67.9755, 0.2900, 0.3360



Deuteranomaly

67.7907, 0.2866, 0.3186



Tritanomaly

69.5415, 0.2467, 0.3191

Monochromacy



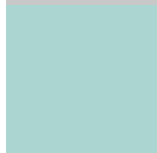
Original Color

69.8562, 0.2527, 0.3438



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.7380, 0.2852, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8562, 0.2527, 0.3438 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(118, 237, 225)` looks like.

```
.text, #text, p{  
    color:rgb(118, 237, 225)  
}
```

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(118, 237, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 237, 225) }
```

Border

The CSS property to change the border of an element to Yxy 69.8562, 0.2527, 0.3438 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(118, 237, 225) }
```

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

```
.border{ border-color:rgb(118, 237, 225) }
```

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

Here you see how a box with a 4 pixel rgb(118, 237, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 237, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 237, 225);  
box-shadow:4px 4px 4px 4px rgb(118, 237,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8562, 0.2527, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 237, 225) }
```

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

```
.background{ background-color: rgb(118,  
237, 225) }
```

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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