

Converting Colors

$Yxy(69.3889, 0.2559, 0.3509)$

Have a look what the booklet for
Yxy(69.3889, 0.2559, 0.3509)
contains.

Yxy(69.6048, 0.2559, 0.3514)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.6048, 0.2559, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	77EDDB
RGB	119, 237, 219
RGB Percent	47%, 93%, 86%
CMY	0.5329, 0.0706, 0.1411
CMYK	0.50, 0.00, 0.08, 0.07
HSL	171°, 77%, 70%
HSV	171°, 50%, 93%
XYZ	50.6883, 69.6048, 77.7854
YIQ	199.6660, -64.5500, -30.6140

Conversions

Conversions Part 2

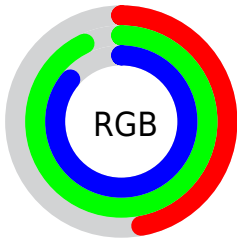
Format	Color
RYB	119, 183, 237
Decimal	7859675
CIELab	86.80, -37.64, -1.54
CIELCh	87, 37.676, 182.348
Yxy	69.6048, 0.2559, 0.3514
Android (android.graphics.Color)	4286049755 (0xFF77EDDB)
YUV	199.6660, 9.5317, -70.7441
Hunter-Lab	83.4295, -37.5524, 3.1216

Details

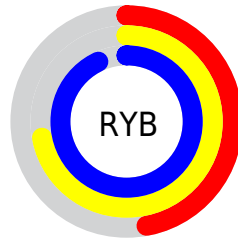
The Yxy color **69.6048, 0.2559, 0.3514** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.0287, 0.4315, 0.3095**, and the grayscale version is **57.5288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **36.5403, 0.2426, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **67.9446, 0.2486, 0.3567**, and if you desaturate by 10%, it is **71.6927, 0.2649, 0.3463**.

Distribution



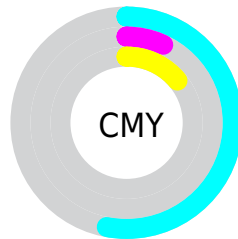
- Red (47%)
- Green (93%)
- Blue (86%)



- Red (47%)
- Yellow (72%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6048, 0.2559, 0.3514 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 69.6048, 0.2559, 0.3514 by changing the saturation by 10% instead.


 69.6048, 0.2559,
0.3514


 69.6048, 0.2559,
0.3514


459.1612, 0.2822,
0.3412

 51.2044, 0.2499,
0.3537


 118.6450, 0.2650,
0.3479

 36.3713, 0.2426,
0.3565


 150.0536, 0.2685,
0.3465

 24.7211, 0.2332,
0.3601


 186.5671, 0.2716,
0.3453

 15.8694, 0.2212,
0.3646

228.5698, 0.2743,
0.3443

 9.4318, 0.2048,
0.3707

276.4462, 0.2766,
0.3434

 5.0239, 0.1817,
0.3791

330.5806, 0.2787,

 2.2613, 0.1469,

0.3425

0.3912

391.3575, 0.2805,
0.3418

0.7531, 0.0000,
0.4480

0.0000, 0.0000,
0.0000

69.6048, 0.2559,
0.3514

69.6048, 0.2559,
0.3514

67.9446, 0.2486,
0.3567

71.6927, 0.2649,
0.3463

66.6722, 0.2433,
0.3621


74.2286, 0.2754,
0.3414


65.7542, 0.2399,
0.3676

77.2411, 0.2871,
0.3369

65.1476, 0.2384,
0.3731

80.7541, 0.2998,
0.3327

 64.7815, 0.2385,
0.3785


 84.7901, 0.3131,
0.3289

 64.7733, 0.2385,
0.3786

 88.1567, 0.3225,
0.3254

 88.3745, 0.3202,
0.3219

 88.5967, 0.3179,
0.3184

 88.8232, 0.3157,
0.3150

Harmonies

Analogous

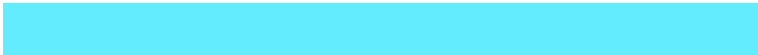
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6048, 0.2948, 0.3923



69.6048, 0.2559, 0.3514



69.6048, 0.2328, 0.3064

Triad

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



69.6048, 0.2559, 0.3514



69.6048, 0.2804, 0.2582



69.6048, 0.4029, 0.3774

Complementary

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



69.6048, 0.2559, 0.3514



33.0287, 0.4315, 0.3095

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.



69.6048, 0.3997, 0.3415



69.6048, 0.2559, 0.3514



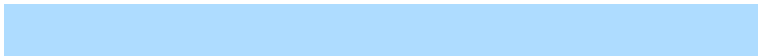
69.6048, 0.3260, 0.2758

Square

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



69.6048, 0.2559, 0.3514



69.6048, 0.2462, 0.2564



69.6048, 0.3707, 0.3054



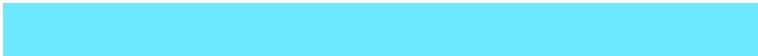
69.6048, 0.3804, 0.4044

Rectangle

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



69.6048, 0.2559, 0.3514



69.6048, 0.2284, 0.2820



69.6048, 0.3707, 0.3054



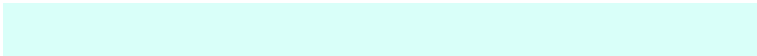
69.6048, 0.4049, 0.3659

Sweetspot

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



69.6075, 0.2559, 0.3514



93.0833, 0.2930, 0.3349



67.3653, 0.3165, 0.4821



19.7395, 0.2903, 0.3358



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.



69.6075, 0.2559, 0.3514



80.1517, 0.2483, 0.3570



50.2913, 0.2379, 0.2780



17.0801, 0.3001, 0.3326



35.3823, 0.2383, 0.3777



2.7891, 0.2362, 0.3702

Inverse Universe

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



33.0287, 0.4315, 0.3095



32.2521, 0.4731, 0.3069



43.9265, 0.4292, 0.3730



15.0915, 0.3269, 0.3254



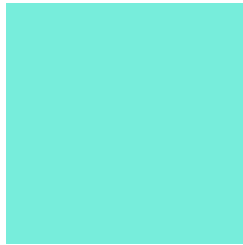
9.9118, 0.6186, 0.3181



0.7898, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 69.6048, 0.2559, 0.3514 looks on a white background.

Color Contrast Check

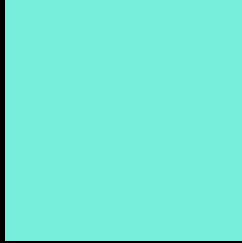
Large Text (above 18pt) WCAG AA × Fail

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 69.6048, 0.2559, 0.3514 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 69.6048, 0.2559, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 69.6048, 0.2559, 0.3514.

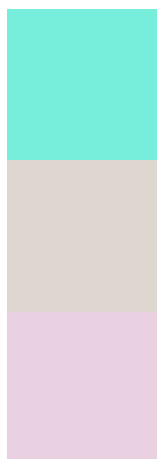


This preview shows how white text looks on a background with the Yxy color 69.6048, 0.2559, 0.3514.

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

69.6048, 0.2559, 0.3514

Protanopia

68.6355, 0.3234, 0.3379

Deuteranopia

68.3608, 0.3195, 0.3120



Tritanopia

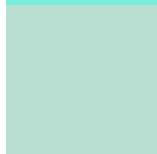
69.3454, 0.2444, 0.3063

Trichromacy



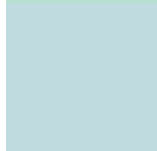
Original Color

69.6048, 0.2559, 0.3514



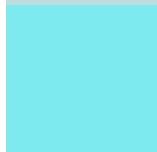
Protanomaly

67.7928, 0.2943, 0.3431



Deuteranomaly

67.1972, 0.2915, 0.3243



Tritanomaly

69.4376, 0.2485, 0.3227

Monochromacy



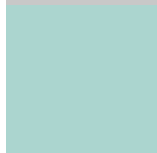
Original Color

69.6048, 0.2559, 0.3514



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.7514, 0.2871, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6048, 0.2559, 0.3514 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(119, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 219)  
}
```

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(119, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 219) }
```

Border

The CSS property to change the border of an element to Yxy 69.6048, 0.2559, 0.3514 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(119, 237, 219) }
```

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

```
.border{ border-color:rgb(119, 237, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6048, 0.2559, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 219) }
```

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

```
.background{ background-color: rgb(119,  
237, 219) }
```

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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