

Converting Colors

$Yxy(75.5544, 0.2511, 0.3382)$

Have a look what the booklet for
Yxy(75.5544, 0.2511, 0.3382)
contains.

Yxy(75.6302, 0.2510, 0.3384)	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(75.6302, 0.2510, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	7BF5ED
RGB	123, 245, 237
RGB Percent	48%, 96%, 93%
CMY	0.5180, 0.0392, 0.0706
CMYK	0.50, 0.00, 0.03, 0.04
HSL	176°, 86%, 72%
HSV	176°, 50%, 96%
XYZ	56.0969, 75.6302, 91.7664
YIQ	207.6100, -70.1440, -28.3520

Conversions

Conversions Part 2

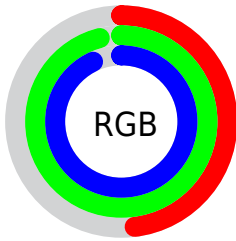
Format	Color
RYB	123, 186, 245
Decimal	8123885
CIELab	89.69, -36.14, -6.70
CIELCh	90, 36.756, 190.499
Yxy	75.6302, 0.2510, 0.3384
Android (android.graphics.Color)	4286313965 (0xFF7BF5ED)
YUV	207.6100, 14.4893, -74.2030
Hunter-Lab	86.9656, -37.0491, -1.6871

Details

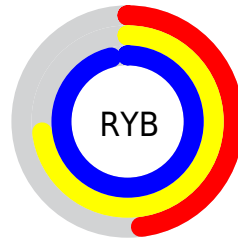
The Yxy color **75.6302, 0.2510, 0.3384** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.1940, 0.4451, 0.3209**, and the grayscale version is **62.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **40.2022, 0.2373, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **73.9548, 0.2431, 0.3406**, and if you desaturate by 10%, it is **77.7643, 0.2607, 0.3363**.

Distribution



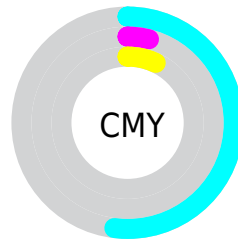
- Red (48%)
- Green (96%)
- Blue (93%)



- Red (48%)
- Yellow (73%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6302, 0.2510, 0.3384 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 75.6302, 0.2510, 0.3384 by changing the saturation by 10% instead.

 75.6302, 0.2510,
0.3384

 75.6302, 0.2510,
0.3384

480.0809, 0.2789,
0.3346


 56.1293, 0.2448,
0.3391


 127.2040, 0.2605,
0.3372

 40.3066, 0.2372,
0.3400


 160.0458, 0.2643,
0.3367

 27.7777, 0.2278,
0.3409


 198.1033, 0.2675,
0.3363

 18.1581, 0.2157,
0.3419

241.7609, 0.2704,
0.3359

 11.0636, 0.1998,
0.3430

291.4031, 0.2729,
0.3355

 6.1096, 0.1779,
0.3439

347.4142, 0.2751,

 2.9119, 0.1463,

0.3352

410.1787, 0.2771,
0.3349

0.3436

■ 1.0859, 0.0453,
0.3587

■ 0.0000, 0.0000,
0.0000

■ 75.6302, 0.2510,
0.3384

■ 75.6302, 0.2510,
0.3384

■ 73.9548, 0.2431,
0.3406

■ 77.7643, 0.2607,
0.3363

■ 72.6949, 0.2372,
0.3428

■ 80.3790, 0.2720,
0.3343

■ 71.8141, 0.2332,
0.3450

■ 83.5056, 0.2847,
0.3324

■ 71.2655, 0.2311,
0.3472

■ 87.1700, 0.2984,
0.3306


 70.9725, 0.2304,
0.3494

 91.3963, 0.3130,
0.3290

 70.9685, 0.2304,
0.3495

 93.2681, 0.3182,
0.3274

 93.3675, 0.3172,
0.3259

 93.4678, 0.3162,
0.3244

 93.5690, 0.3153,
0.3228

Harmonies

Analogous

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



75.6302, 0.2847, 0.3798



75.6302, 0.2510, 0.3384



75.6302, 0.2339, 0.2975

Triad

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



75.6302, 0.2510, 0.3384



75.6302, 0.2932, 0.2647



75.6302, 0.3947, 0.3835

Complementary

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



75.6302, 0.2510, 0.3384



35.1940, 0.4451, 0.3209

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.



75.6302, 0.3986, 0.3508



75.6302, 0.2510, 0.3384



75.6302, 0.3376, 0.2850

Square

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



75.6302, 0.2510, 0.3384



75.6302, 0.2568, 0.2586



75.6302, 0.3772, 0.3156



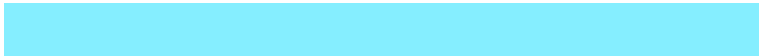
75.6302, 0.3681, 0.4048

Rectangle

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



75.6302, 0.2510, 0.3384



75.6302, 0.2331, 0.2770



75.6302, 0.3772, 0.3156



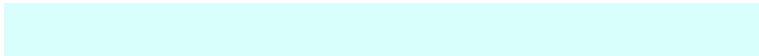
75.6302, 0.3989, 0.3733

Sweetspot

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



75.6331, 0.2510, 0.3384



93.2929, 0.2912, 0.3315



71.5710, 0.3096, 0.4859



19.7905, 0.2883, 0.3319



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.



75.6331, 0.2510, 0.3384



80.9353, 0.2429, 0.3407



48.5412, 0.2345, 0.2616



18.7379, 0.2989, 0.3305



38.2348, 0.2303, 0.3491



3.3660, 0.2295, 0.3463

Inverse Universe

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



35.1940, 0.4451, 0.3209



31.9334, 0.4903, 0.3201



51.8230, 0.4225, 0.3860



16.5001, 0.3283, 0.3275



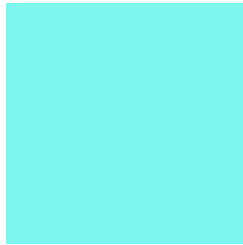
10.4850, 0.6332, 0.3262



0.9276, 0.6165, 0.3170

Previews

White Background



This preview shows how the Yxy color 75.6302, 0.2510, 0.3384 looks on a white background.

Color Contrast Check

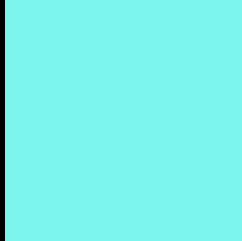
Large Text (above 18pt) WCAG AA × Fail

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 75.6302, 0.2510, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

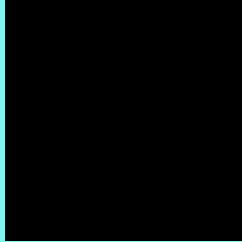
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6302, 0.2510, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 75.6302, 0.2510, 0.3384.

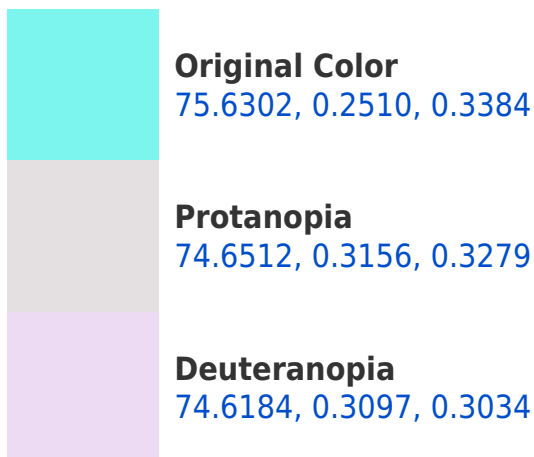


This preview shows how white text looks on a background with the Yxy color 75.6302, 0.2510, 0.3384.

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

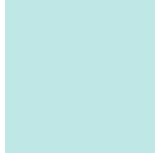
75.6284, 0.2541, 0.3107

Trichromacy



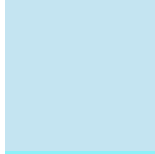
Original Color

75.6302, 0.2510, 0.3384



Protanomaly

73.7561, 0.2872, 0.3312



Deuteranomaly

73.5734, 0.2838, 0.3146



Tritanomaly

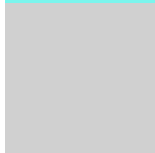
75.3506, 0.2527, 0.3207

Monochromacy



Original Color

75.6302, 0.2510, 0.3384



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.1745, 0.2842, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6302, 0.2510, 0.3384 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(123, 245, 237)` looks like.

```
.text, #text, p{  
    color:rgb(123, 245, 237)  
}
```

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(123, 245, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 245, 237) }
```

Border

The CSS property to change the border of an element to Yxy 75.6302, 0.2510, 0.3384 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(123, 245, 237) }
```

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

```
.border{ border-color:rgb(123, 245, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 245, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 245, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 245, 237);  
box-shadow:4px 4px 4px 4px rgb(123, 245,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6302, 0.2510, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 245, 237) }
```

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

```
.background{ background-color: rgb(123,  
245, 237) }
```

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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