

Converting Colors

$Yxy(77.9480, 0.2472, 0.3455)$

Have a look what the booklet for
Yxy(77.9480, 0.2472, 0.3455)
contains.

Yxy(77.6738, 0.2468, 0.3444)	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(77.6738, 0.2468, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	6CFAED
RGB	108, 250, 237
RGB Percent	42%, 98%, 93%
CMY	0.5763, 0.0196, 0.0705
CMYK	0.57, 0.00, 0.05, 0.02
HSL	175°, 93%, 70%
HSV	175°, 57%, 98%
XYZ	55.6617, 77.6738, 92.1982
YIQ	206.0600, -80.4590, -34.1470

Conversions

Conversions Part 2

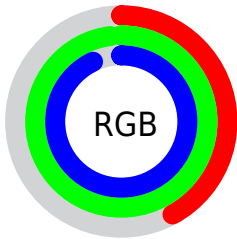
Format	Color
RYB	108, 182, 250
Decimal	7142125
CIELab	90.63, -41.29, -5.37
CIELCh	91, 41.642, 187.405
Yxy	77.6738, 0.2468, 0.3444
Android (android.graphics.Color)	4285332205 (0xFF6CFAED)
YUV	206.0600, 15.2534, -85.9986
Hunter-Lab	88.1327, -41.4976, -0.3320

Details

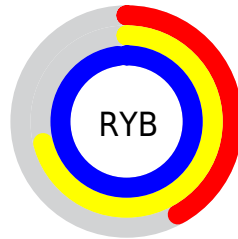
The Yxy color **77.6738, 0.2468, 0.3444** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.4376, 0.4707, 0.3165**, and the grayscale version is **61.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **41.7091, 0.2324, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **76.1943, 0.2404, 0.3475**, and if you desaturate by 10%, it is **79.6103, 0.2551, 0.3413**.

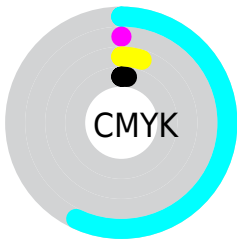
Distribution



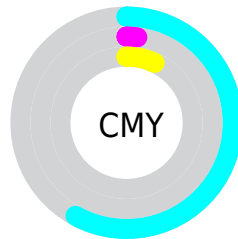
- Red (42%)
- Green (98%)
- Blue (93%)



- Red (42%)
- Yellow (71%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)




- Cyan (58%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6738, 0.2468, 0.3444 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 77.6738, 0.2468, 0.3444 by changing the saturation by 10% instead.

 77.6738, 0.2468,
0.3444

 77.6738, 0.2468,
0.3444


487.0583, 0.2765,
0.3379

 57.8061, 0.2402,
0.3457


 130.0902, 0.2569,
0.3423

 41.6527, 0.2323,
0.3473


 163.4076, 0.2609,
0.3414

 28.8295, 0.2223,
0.3492


 201.9770, 0.2644,
0.3406

 18.9519, 0.2097,
0.3515

246.1829, 0.2674,
0.3400

 11.6355, 0.1931,
0.3542

296.4096, 0.2700,
0.3394

 6.4960, 0.1704,
0.3573


353.0414, 0.2724,


 3.1490, 0.1380,


0.3388


416.4629, 0.2745,
0.3383


0.3606


 1.2100, 0.0350,
0.3834


 0.0698, 0.0000,
0.1340


 77.6738, 0.2468,
0.3444


 77.6738, 0.2468,
0.3444

 76.1943, 0.2404,
0.3475


 79.6103, 0.2551,
0.3413


 75.1232, 0.2360,
0.3507


 82.0298, 0.2651,
0.3384

 74.4172, 0.2336,
0.3539

 84.9666, 0.2766,
0.3356

 74.0174, 0.2328,
0.3570

 88.4496, 0.2893,
0.3329

 73.9249, 0.2328,
0.3580

 92.5054, 0.3030,
0.3305

 96.5785, 0.3154,
0.3283

 96.7233, 0.3141,
0.3261

 96.8503, 0.3129,
0.3242

Harmonies

Analogous

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



77.6738, 0.2857, 0.3906



77.6738, 0.2468, 0.3444



77.6738, 0.2259, 0.2974

Triad

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



77.6738, 0.2468, 0.3444



77.6738, 0.2858, 0.2561



77.6738, 0.4064, 0.3858

Complementary

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



77.6738, 0.2468, 0.3444



32.4376, 0.4707, 0.3165

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.



77.6738, 0.4081, 0.3485



77.6738, 0.2468, 0.3444



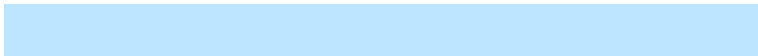
77.6738, 0.3352, 0.2772

Square

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



77.6738, 0.2468, 0.3444



77.6738, 0.2470, 0.2510



77.6738, 0.3813, 0.3099



77.6738, 0.3784, 0.4123

Rectangle

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



77.6738, 0.2468, 0.3444



77.6738, 0.2237, 0.2735



77.6738, 0.3813, 0.3099



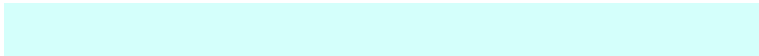
77.6738, 0.4102, 0.3741

Sweetspot

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



77.6768, 0.2468, 0.3444



92.4326, 0.2890, 0.3330



73.6085, 0.3109, 0.5091



19.6180, 0.2864, 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.



77.6768, 0.2468, 0.3444



79.5371, 0.2398, 0.3479



48.3273, 0.2259, 0.2565



19.5796, 0.2993, 0.3312



39.2240, 0.2326, 0.3574



3.6406, 0.2316, 0.3537

Inverse Universe

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



32.4376, 0.4707, 0.3165



28.1058, 0.5219, 0.3161



48.2534, 0.4466, 0.3879



17.2510, 0.3280, 0.3269



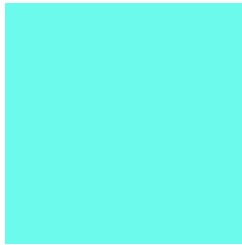
10.8217, 0.6300, 0.3244



1.0107, 0.6091, 0.3129

Previews

White Background



This preview shows how the Yxy color 77.6738, 0.2468, 0.3444 looks on a white background.

Color Contrast Check

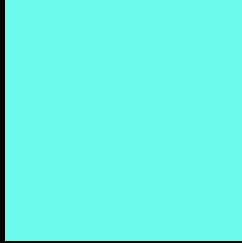
Large Text (above 18pt) WCAG AA × Fail

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 77.6738, 0.2468, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

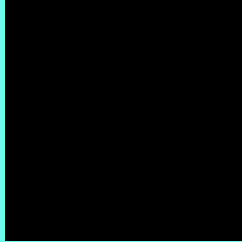
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6738, 0.2468, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 77.6738, 0.2468, 0.3444.

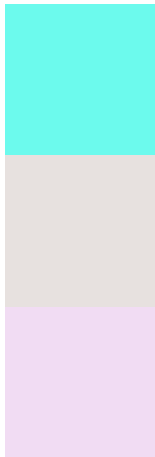


This preview shows how white text looks on a background with the Yxy color 77.6738, 0.2468, 0.3444.

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

77.6738, 0.2468, 0.3444

Protanopia

76.1671, 0.3182, 0.3311

Deuteranopia

76.3582, 0.3124, 0.3056



Tritanopia

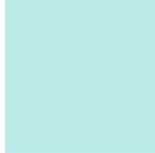
77.0138, 0.2581, 0.3120

Trichromacy



Original Color

77.6738, 0.2468, 0.3444



Protanomaly

74.8862, 0.2855, 0.3357



Deuteranomaly

74.8402, 0.2822, 0.3179



Tritanomaly

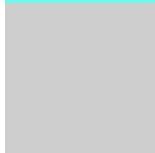
77.1414, 0.2533, 0.3242

Monochromacy



Original Color

77.6738, 0.2468, 0.3444



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.7984, 0.2811, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6738, 0.2468, 0.3444 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(108, 250, 237)` looks like.

```
.text, #text, p{  
    color:rgb(108, 250, 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(108, 250, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 250, 237) }
```

Border

The CSS property to change the border of an element to Yxy 77.6738, 0.2468, 0.3444 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(108, 250, 237) }
```

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

```
.border{ border-color:rgb(108, 250, 237) }
```

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

Here you see how a box with a 4 pixel rgb(108, 250, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 250, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 250, 237);  
box-shadow:4px 4px 4px 4px rgb(108, 250,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6738, 0.2468, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 250, 237) }
```

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

```
.background{ background-color: rgb(108,  
250, 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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