

Converting Colors

$Yxy(67.8695, 0.2313, 0.3288)$

Have a look what the booklet for
Yxy(67.8695, 0.2313, 0.3288)
contains.

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Color

Yxy(67.7728, 0.2313, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	40EDED
RGB	64, 237, 237
RGB Percent	25%, 93%, 93%
CMY	0.7495, 0.0705, 0.0707
CMYK	0.73, 0.00, 0.00, 0.07
HSL	180°, 83%, 59%
HSV	180°, 73%, 93%
XYZ	47.6759, 67.7728, 90.6729
YIQ	185.2730, -103.1080, -36.6760

Conversions

Conversions Part 2

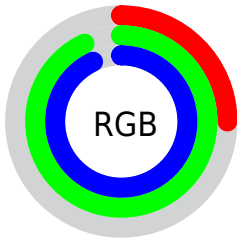
Format	Color
RYB	64, 151, 237
Decimal	4255213
CIELab	85.89, -41.92, -12.49
CIELCh	86, 43.739, 196.588
Yxy	67.7728, 0.2313, 0.3288
Android (android.graphics.Color)	4282445293 (0xFF40EDED)
YUV	185.2730, 25.5014, -106.3564
Hunter-Lab	82.3242, -40.6938, -7.6758

Details

The Yxy color **67.7728, 0.2313, 0.3288** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.0298, 0.5639, 0.3297**, and the grayscale version is **48.5565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **35.9787, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **67.1438, 0.2275, 0.3288**, and if you desaturate by 10%, it is **68.7440, 0.2370, 0.3288**.

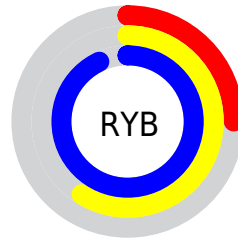
Distribution



Red (25%)

Green (93%)

Blue (93%)



Red (25%)

Yellow (59%)

Blue (93%)

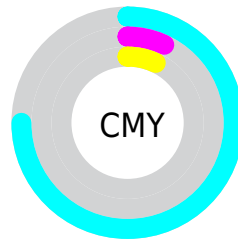


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (75%)


Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7728, 0.2313, 0.3288 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 67.7728, 0.2313, 0.3288 by changing the saturation by 10% instead.


 67.7728, 0.2313,
0.3288


 67.7728, 0.2313,
0.3288

452.6906, 0.2684,
0.3300

 49.7129, 0.2230,
0.3282


 116.0271, 0.2440,
0.3295


 35.1853, 0.2130,
0.3274


 146.9902, 0.2490,
0.3296

 23.8057, 0.2004,
0.3261


 183.0233, 0.2533,
0.3298

 15.1895, 0.1844,
0.3240

 224.5106, 0.2571,
0.3299

 8.9525, 0.1634,
0.3204

271.8366, 0.2604,
0.3299

 4.7102, 0.1350,
0.3138

325.3857, 0.2634,

 2.0783, 0.0939,

0.3300

385.5422, 0.2660,
0.3300

0.3008

0.6524, 0.0000,
0.2744

0.0000, 0.0000,
0.0000

67.7728, 0.2313,
0.3288

67.7728, 0.2313,
0.3288

67.1438, 0.2275,
0.3288

68.7440, 0.2370,
0.3288


66.8031, 0.2254,
0.3288


70.0879, 0.2447,
0.3288


66.6885, 0.2247,
0.3288


71.8400, 0.2543,
0.3289


74.0295, 0.2657,
0.3289

 76.6833, 0.2786,
0.3289

 79.8259, 0.2928,
0.3289

 83.4800, 0.3080,
0.3290

 87.6670, 0.3238,
0.3290

 87.9516, 0.3248,
0.3290

Harmonies

Analogous

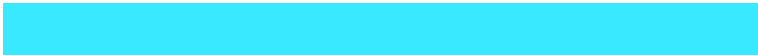
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7728, 0.2681, 0.3830



67.7728, 0.2313, 0.3288



67.7728, 0.2158, 0.2808

Triad

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



67.7728, 0.2313, 0.3288



67.7728, 0.2989, 0.2550



67.7728, 0.4085, 0.4013

Complementary

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



67.7728, 0.2313, 0.3288



22.0298, 0.5639, 0.3297

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.



67.7728, 0.4204, 0.3626



67.7728, 0.2313, 0.3288



67.7728, 0.3540, 0.2823

Square

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



67.7728, 0.2313, 0.3288



67.7728, 0.2520, 0.2437



67.7728, 0.4002, 0.3203



67.7728, 0.3706, 0.4251

Rectangle

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



67.7728, 0.2313, 0.3288



67.7728, 0.2181, 0.2590



67.7728, 0.4002, 0.3203



67.7728, 0.4158, 0.3894

Sweetspot

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



67.7753, 0.2313, 0.3288



90.8677, 0.2799, 0.3289



62.1300, 0.3027, 0.5613



19.2517, 0.2762, 0.3289



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.



67.7753, 0.2313, 0.3288



79.0224, 0.2262, 0.3288



30.0934, 0.2012, 0.2099



17.1219, 0.2981, 0.3290



36.4049, 0.2247, 0.3288



2.8587, 0.2247, 0.3288

Inverse Universe

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



22.0298, 0.5639, 0.3297



22.3163, 0.6203, 0.3299



39.4187, 0.4841, 0.4115



15.0541, 0.3293, 0.3290



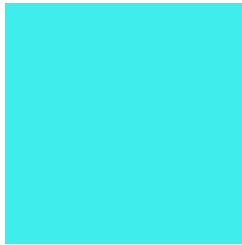
9.8299, 0.6401, 0.3300



0.7719, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 67.7728, 0.2313, 0.3288 looks on a white background.

Color Contrast Check

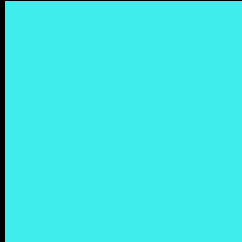
Large Text (above 18pt) WCAG AA × Fail

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 67.7728, 0.2313, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

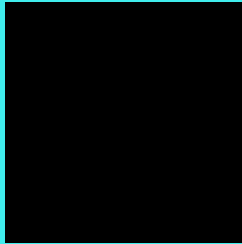
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7728, 0.2313, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 67.7728, 0.2313, 0.3288.

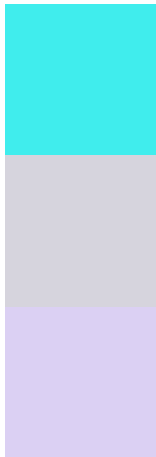


This preview shows how white text looks on a background with the Yxy color 67.7728, 0.2313, 0.3288.

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

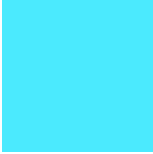
67.7728, 0.2313, 0.3288

Protanopia

66.6036, 0.3081, 0.3190

Deuteranopia

66.6429, 0.2971, 0.2914



Tritanopia

67.4972, 0.2263, 0.3042

Trichromacy



Original Color

67.7728, 0.2313, 0.3288



Protanomaly

64.6299, 0.2688, 0.3216



Deuteranomaly

64.8004, 0.2633, 0.3030



Tritanomaly

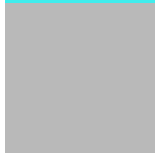
67.5336, 0.2280, 0.3126

Monochromacy



Original Color

67.7728, 0.2313, 0.3288



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.2081, 0.2687, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7728, 0.2313, 0.3288 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(64, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(64, 237, 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(64, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 237, 237) }
```

Border

The CSS property to change the border of an element to Yxy 67.7728, 0.2313, 0.3288 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(64, 237, 237) }
```

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

```
.border{ border-color:rgb(64, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(64, 237,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7728, 0.2313, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 237, 237) }
```

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

```
.background{ background-color: rgb(64, 237,  
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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