

Converting Colors

$Y_{xy}(66.7740, 0.2247, 0.3287)$

Have a look what the booklet for
Yxy(66.7740, 0.2247, 0.3287)
contains.

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Color

Yxy(66.6893, 0.2247, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	01EDED
RGB	1, 237, 237
RGB Percent	0%, 93%, 93%
CMY	0.9945, 0.0706, 0.0705
CMYK	0.99, 0.00, 0.00, 0.07
HSL	180°, 99%, 47%
HSV	180°, 99%, 93%
XYZ	45.5889, 66.6893, 90.6098
YIQ	166.4360, -140.6560, -50.0320

Conversions

Conversions Part 2

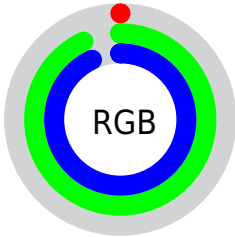
Format	Color
RYB	1, 119, 237
Decimal	126445
CIELab	85.35, -45.45, -13.38
CIELCh	85, 47.379, 196.409
Yxy	66.6893, 0.2247, 0.3287
Android (android.graphics.Color)	4278316525 (0xFF01EDED)
YUV	166.4360, 34.7881, -145.0874
Hunter-Lab	81.6635, -43.2629, -8.6208

Details

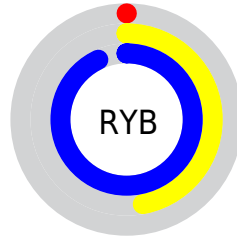
The Yxy color **66.6893, 0.2247, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.0435, 0.6393, 0.3300**, and the grayscale version is **38.2971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **35.9787, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **66.6826, 0.2246, 0.3287**, and if you desaturate by 10%, it is **66.8925, 0.2259, 0.3287**.

Distribution



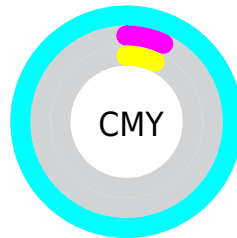
- Red (0%)
- Green (93%)
- Blue (93%)



- Red (0%)
- Yellow (47%)
- Blue (93%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




- Cyan (99%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6893, 0.2247, 0.3287 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 66.6893, 0.2247, 0.3287 by changing the saturation by 10% instead.


 66.6893, 0.2247,
0.3287


 66.6893, 0.2247,
0.3287


448.8380, 0.2648,
0.3302


 48.8322, 0.2158,
0.3280


 114.4751, 0.2384,
0.3295


 34.4864, 0.2049,
0.3270


 145.1726, 0.2438,
0.3297


 23.2675, 0.1915,
0.3255

 180.9189, 0.2485,
0.3299

 14.7911, 0.1743,
0.3229

 222.0986, 0.2525,
0.3300

 8.6729, 0.1520,
0.3187

 269.0959, 0.2561,
0.3301

 4.5285, 0.1221,
0.3108

322.2953, 0.2593,

 1.9734, 0.0760,

0.3301

0.2967

382.0812, 0.2622,
0.3302

■ 0.5919, 0.0000,
0.2560

■ 0.0000, 0.0000,
0.0000

■ 66.6893, 0.2247,
0.3287

■ 66.6893, 0.2247,
0.3287

■ 66.6826, 0.2246,
0.3287

■ 66.8925, 0.2259,
0.3287

■ 67.3345, 0.2286,
0.3287

■ 68.0855, 0.2331,
0.3287

■ 69.1883, 0.2396,
0.3288

70.6788, 0.2480,
0.3288

72.5886, 0.2583,
0.3288

74.9459, 0.2702,
0.3289

77.7767, 0.2836,
0.3289

81.1048, 0.2982,
0.3290

Harmonies

Analogous

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



66.6893, 0.2643, 0.3885



66.6893, 0.2247, 0.3287



66.6893, 0.2081, 0.2764

Triad

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



66.6893, 0.2247, 0.3287



66.6893, 0.2971, 0.2492



66.6893, 0.4167, 0.4065

Complementary

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



66.6893, 0.2247, 0.3287



18.0435, 0.6393, 0.3300

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.



66.6893, 0.4299, 0.3643



66.6893, 0.2247, 0.3287



66.6893, 0.3572, 0.2782

Square

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



66.6893, 0.2247, 0.3287



66.6893, 0.2466, 0.2370



66.6893, 0.4078, 0.3188



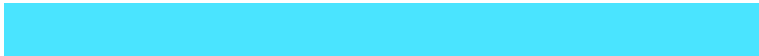
66.6893, 0.3753, 0.4335

Rectangle

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



66.6893, 0.2247, 0.3287



66.6893, 0.2106, 0.2531



66.6893, 0.4078, 0.3188



66.6893, 0.4248, 0.3934

Sweetspot

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



66.6918, 0.2247, 0.3287



88.2580, 0.2693, 0.3289



60.5962, 0.3000, 0.5997



18.6280, 0.2641, 0.3288



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.



66.6918, 0.2247, 0.3287



78.7193, 0.2246, 0.3287



19.3704, 0.1768, 0.1562



17.1216, 0.2981, 0.3290



36.3970, 0.2246, 0.3287



2.8581, 0.2246, 0.3287

Inverse Universe

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



24.1540, 0.3209, 0.1543



28.4779, 0.3210, 0.1542



31.2576, 0.5419, 0.4075



15.3138, 0.3138, 0.3058



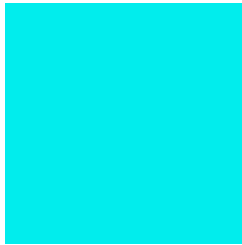
13.1671, 0.3210, 0.1542



1.0339, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 66.6893, 0.2247, 0.3287 looks on a white background.

Color Contrast Check

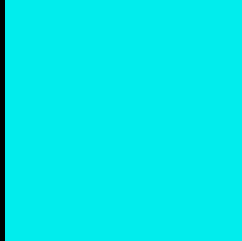
Large Text (above 18pt) WCAG AA × Fail

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 66.6893, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

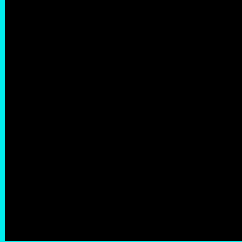
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

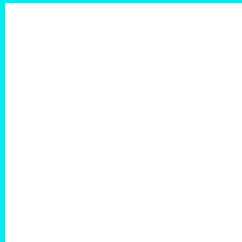
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6893, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 66.6893, 0.2247, 0.3287.

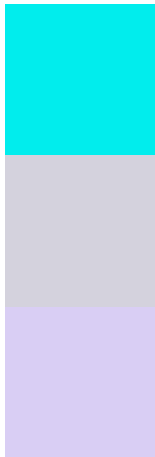


This preview shows how white text looks on a background with the Yxy color 66.6893, 0.2247, 0.3287.

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

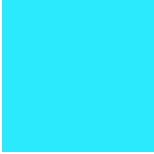
66.6893, 0.2247, 0.3287

Protanopia

65.3107, 0.3067, 0.3167

Deuteranopia

65.4260, 0.2951, 0.2881



Tritanopia

66.5150, 0.2207, 0.3039

Trichromacy



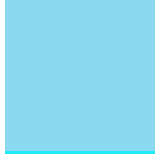
Original Color

66.6893, 0.2247, 0.3287



Protanomaly

61.8833, 0.2558, 0.3201



Deuteranomaly

61.4655, 0.2502, 0.2996



Tritanomaly

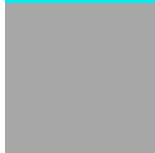
66.4408, 0.2216, 0.3123

Monochromacy



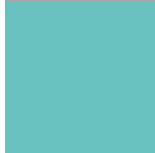
Original Color

66.6893, 0.2247, 0.3287



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.6308, 0.2537, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6893, 0.2247, 0.3287 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(1, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 237) }
```

Border

The CSS property to change the border of an element to Yxy 66.6893, 0.2247, 0.3287 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(1, 237, 237) }
```

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

```
.border{ border-color:rgb(1, 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(1, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6893, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 237) }
```

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

```
.background{ background-color: rgb(1, 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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