

Converting Colors

$Y_{xy}(67.8393, 0.2230, 0.3137)$

Have a look what the booklet for
Yxy(67.8393, 0.2230, 0.3137)
contains.

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Color

Yxy(67.8393, 0.2230, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	27EDF9
RGB	39, 237, 249
RGB Percent	15%, 93%, 98%
CMY	0.8466, 0.0706, 0.0234
CMYK	0.84, 0.05, 0.00, 0.02
HSL	183°, 95%, 56%
HSV	183°, 84%, 98%
XYZ	48.2249, 67.8393, 100.1911
YIQ	179.1660, -121.8600, -38.2440

Conversions

Conversions Part 2

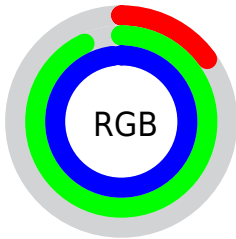
Format	Color
R _Y B	39, 141, 249
Decimal	2616825
CIE Lab	85.93, -40.54, -18.80
CIE LCh	86, 44.688, 204.872
Yxy	67.8393, 0.2230, 0.3137
Android (android.graphics.Color)	4280806905 (0xFF27EDF9)
YUV	179.1660, 34.4282, -122.9256
Hunter-Lab	82.3646, -39.6253, -14.4671

Details

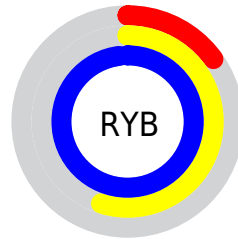
The Yxy color **67.8393, 0.2230, 0.3137** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.6711, 0.6023, 0.3360**, and the grayscale version is **45.0546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **36.4928, 0.2188, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **66.6805, 0.2205, 0.3118**, and if you desaturate by 10%, it is **69.3281, 0.2273, 0.3157**.

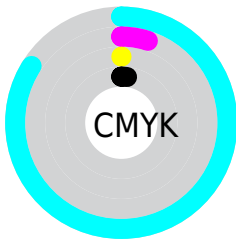
Distribution



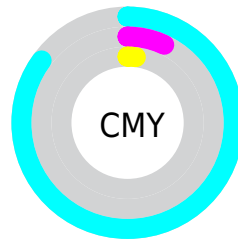
- Red (15%)
- Green (93%)
- Blue (98%)



- Red (15%)
- Yellow (55%)
- Blue (98%)



- Cyan (84%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)





- Cyan (85%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8393, 0.2230, 0.3137 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 67.8393, 0.2230, 0.3137 by changing the saturation by 10% instead.


 67.8393, 0.2230,
0.3137


 67.8393, 0.2230,
0.3137


452.9264, 0.2635,
0.3223


 49.7670, 0.2141,
0.3114


 116.1222, 0.2368,
0.3170


 35.2283, 0.2033,
0.3083


 147.1016, 0.2422,
0.3182

 23.8388, 0.1899,
0.3042


 183.1522, 0.2469,
0.3192

 15.2141, 0.1730,
0.2984

 224.6584, 0.2511,
0.3200

 8.9698, 0.1512,
0.2898

272.0045, 0.2547,
0.3207

 4.7215, 0.1225,
0.2761

325.5749, 0.2580,

 2.0848, 0.0832,

0.3213

0.2527

385.7541, 0.2609,
0.3218

0.6560, 0.0000,
0.2100

0.0000, 0.0000,
0.0000

67.8393, 0.2230,
0.3137

67.8393, 0.2230,
0.3137

66.6805, 0.2205,
0.3118

69.3281, 0.2273,
0.3157

66.1186, 0.2196,
0.3107

71.1933, 0.2335,
0.3176

73.4815, 0.2416,
0.3196

76.2304, 0.2516,
0.3215

79.4737, 0.2634,
0.3234

83.2420, 0.2765,
0.3251

87.5631, 0.2908,
0.3268

92.4630, 0.3060,
0.3284

96.3699, 0.3165,
0.3298

Harmonies

Analogous

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



67.8393, 0.2549, 0.3695



67.8393, 0.2230, 0.3137



67.8393, 0.2136, 0.2694

Triad

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



67.8393, 0.2230, 0.3137



67.8393, 0.3139, 0.2599



67.8393, 0.4019, 0.4115

Complementary

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



67.8393, 0.2230, 0.3137



22.6711, 0.6023, 0.3360

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.



67.8393, 0.4225, 0.3748



67.8393, 0.2230, 0.3137



67.8393, 0.3697, 0.2912

Square

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



67.8393, 0.2230, 0.3137



67.8393, 0.2624, 0.2435



67.8393, 0.4109, 0.3318



67.8393, 0.3579, 0.4293

Rectangle

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



67.8393, 0.2230, 0.3137



67.8393, 0.2203, 0.2512



67.8393, 0.4109, 0.3318



67.8393, 0.4120, 0.4007

Sweetspot

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



67.8418, 0.2230, 0.3137



87.5411, 0.2755, 0.3250



68.4251, 0.2990, 0.5797



18.4272, 0.2708, 0.3244



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.



67.8418, 0.2230, 0.3137



69.7722, 0.2196, 0.3107



24.2076, 0.1840, 0.1686



19.4282, 0.2980, 0.3276



35.4587, 0.2197, 0.3110



3.3345, 0.2204, 0.3133

Inverse Universe

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



27.7169, 0.3331, 0.1676



27.5747, 0.3361, 0.1625



43.5892, 0.4993, 0.4260



17.5064, 0.3147, 0.3069



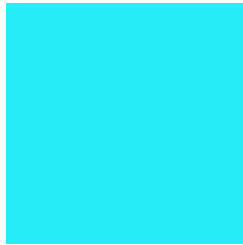
13.9905, 0.3358, 0.1624



1.3008, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 67.8393, 0.2230, 0.3137 looks on a white background.

Color Contrast Check

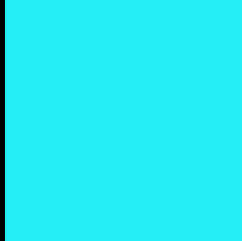
Large Text (above 18pt) WCAG AA × Fail

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 67.8393, 0.2230, 0.3137 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 67.8393, 0.2230, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 67.8393, 0.2230, 0.3137.



This preview shows how white text looks on a background with the Yxy color 67.8393, 0.2230, 0.3137.

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

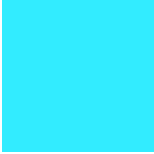
67.8393, 0.2230, 0.3137

Protanopia

66.3206, 0.2980, 0.3047

Deuteranopia

66.4779, 0.2855, 0.2789



Tritanopia

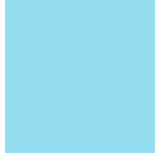
67.8890, 0.2220, 0.3053

Trichromacy



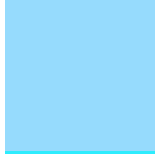
Original Color

67.8393, 0.2230, 0.3137



Protanomaly

63.7143, 0.2564, 0.3060



Deuteranomaly

64.2389, 0.2503, 0.2890



Tritanomaly

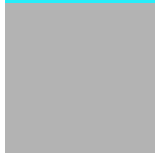
67.6636, 0.2221, 0.3077

Monochromacy



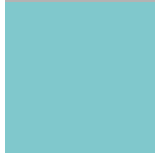
Original Color

67.8393, 0.2230, 0.3137



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.2574, 0.2603, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8393, 0.2230, 0.3137 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(39, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(39, 237, 249)  
}
```

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(39, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 237, 249) }
```

Border

The CSS property to change the border of an element to Yxy 67.8393, 0.2230, 0.3137 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(39, 237, 249) }
```

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

```
.border{ border-color:rgb(39, 237, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 237, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(39, 237,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8393, 0.2230, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 237, 249) }
```

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

```
.background{ background-color: rgb(39, 237,  
249) }
```

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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