

Converting Colors

$Y_{xy}(69.6513, 0.2210, 0.3099)$

Have a look what the booklet for
Yxy(69.6513, 0.2210, 0.3099)
contains.

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Color

Yxy(69.8162, 0.2211, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	1EF0FF
RGB	30, 240, 255
RGB Percent	12%, 94%, 100%
CMY	0.8812, 0.0588, 0.0001
CMYK	0.88, 0.06, 0.00, 0.00
HSL	184°, 100%, 56%
HSV	184°, 88%, 100%
XYZ	49.7466, 69.8162, 105.4330
YIQ	178.9200, -129.9750, -39.8550

Conversions

Conversions Part 2

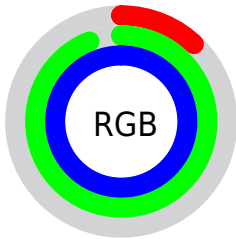
Format	Color
R _Y B	30, 139, 255
Decimal	2027775
CIE Lab	86.91, -40.62, -20.44
CIE LCh	87, 45.472, 206.712
Yxy	69.8162, 0.2211, 0.3103
Android (android.graphics.Color)	4280217855 (0xFF1EF0FF)
YUV	178.9200, 37.5074, -130.6028
Hunter-Lab	83.5561, -39.9501, -16.3243

Details

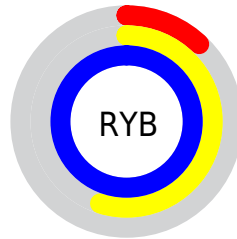
The Yxy color **69.8162, 0.2211, 0.3103** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.2449, 0.6133, 0.3361**, and the grayscale version is **44.9282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **37.9442, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **68.5740, 0.2191, 0.3081**, and if you desaturate by 10%, it is **71.3776, 0.2248, 0.3126**.

Distribution



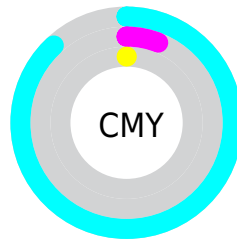
- Red (12%)
- Green (94%)
- Blue (100%)



- Red (12%)
- Yellow (55%)
- Blue (100%)



- Cyan (88%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (88%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8162, 0.2211, 0.3103 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 69.8162, 0.2211, 0.3103 by changing the saturation by 10% instead.


 69.8162, 0.2211,
0.3103


 69.8162, 0.2211,
0.3103

459.9044, 0.2621,
0.3205

 51.3767, 0.2121,
0.3076


 118.9466, 0.2350,
0.3141

 36.5085, 0.2013,
0.3042


 150.4063, 0.2405,
0.3155

 24.8272, 0.1880,
0.2995


 186.9749, 0.2453,
0.3167

 15.9483, 0.1712,
0.2931

 229.0367, 0.2495,
0.3177

 9.4876, 0.1497,
0.2837

276.9762, 0.2532,
0.3186

 5.0606, 0.1216,
0.2692

331.1777, 0.2565,

 2.2828, 0.0844,

0.3193

0.2448

392.0256, 0.2595,
0.3199

■ 0.7646, 0.0000,
0.2069

■ 0.0000, 0.0000,
0.0000

■ 69.8162, 0.2211,
0.3103

■ 69.8162, 0.2211,
0.3103

■ 68.5740, 0.2191,
0.3081

■ 71.3776, 0.2248,
0.3126

■ 68.3573, 0.2188,
0.3077

■ 73.3188, 0.2303,
0.3149

■ 75.6925, 0.2378,
0.3172

■ 78.5410, 0.2473,
0.3194

81.9015, 0.2585,
0.3216

85.8075, 0.2712,
0.3237

90.2896, 0.2852,
0.3257

95.3761, 0.3001,
0.3276

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



69.8162, 0.2519, 0.3664



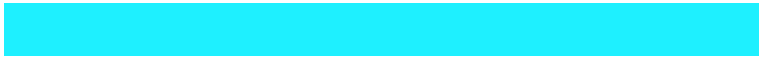
69.8162, 0.2211, 0.3103



69.8162, 0.2131, 0.2668

Triad

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



69.8162, 0.2211, 0.3103



69.8162, 0.3174, 0.2609



69.8162, 0.4004, 0.4139

Complementary

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



69.8162, 0.2211, 0.3103



23.2449, 0.6133, 0.3361

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.



69.8162, 0.4229, 0.3776



69.8162, 0.2211, 0.3103



69.8162, 0.3733, 0.2932

Square

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



69.8162, 0.2211, 0.3103



69.8162, 0.2648, 0.2434



69.8162, 0.4134, 0.3344



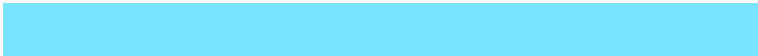
69.8162, 0.3550, 0.4303

Rectangle

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



69.8162, 0.2211, 0.3103



69.8162, 0.2207, 0.2495



69.8162, 0.4134, 0.3344



69.8162, 0.4110, 0.4033

Sweetspot

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



69.8188, 0.2211, 0.3103



86.7349, 0.2741, 0.3242



71.9433, 0.2990, 0.5861



18.2525, 0.2694, 0.3235



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.



69.8188, 0.2211, 0.3103



68.3770, 0.2188, 0.3077



23.8359, 0.1803, 0.1607



20.2620, 0.2980, 0.3274



35.8168, 0.2189, 0.3080



3.5473, 0.2196, 0.3106

Inverse Universe

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



28.4881, 0.3362, 0.1668



27.4339, 0.3387, 0.1640



44.4138, 0.5075, 0.4253



18.2783, 0.3148, 0.3071



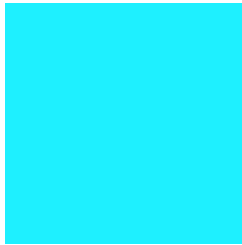
14.3437, 0.3384, 0.1638



1.4026, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 69.8162, 0.2211, 0.3103 looks on a white background.

Color Contrast Check

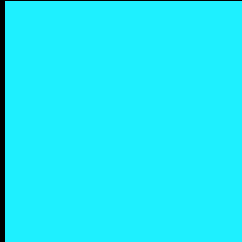
Large Text (above 18pt) WCAG AA × Fail

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 69.8162, 0.2211, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

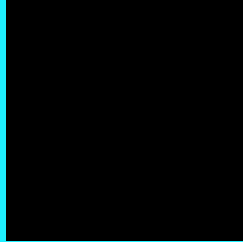
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

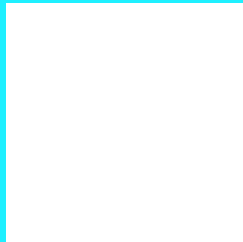
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8162, 0.2211, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 69.8162, 0.2211, 0.3103.

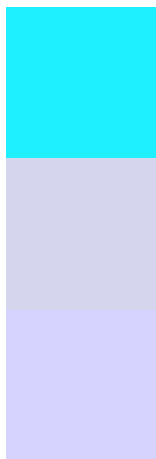


This preview shows how white text looks on a background with the Yxy color 69.8162, 0.2211, 0.3103.

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

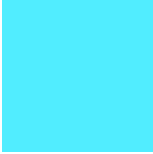
69.8162, 0.2211, 0.3103

Protanopia

68.4123, 0.2962, 0.3028

Deuteranopia

68.6031, 0.2863, 0.2833



Tritanopia

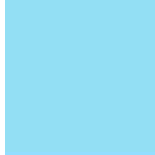
69.5377, 0.2283, 0.3069

Trichromacy



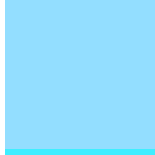
Original Color

69.8162, 0.2211, 0.3103



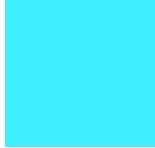
Protanomaly

65.5101, 0.2539, 0.3038



Deuteranomaly

65.6656, 0.2485, 0.2903



Tritanomaly

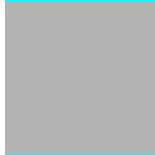
69.4258, 0.2248, 0.3080

Monochromacy



Original Color

69.8162, 0.2211, 0.3103



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.6383, 0.2571, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8162, 0.2211, 0.3103 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(30, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 240, 255)  
}
```

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(30, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8162, 0.2211, 0.3103 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(30, 240, 255) }
```

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

```
.border{ border-color:rgb(30, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8162, 0.2211, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 240, 255) }
```

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

```
.background{ background-color: rgb(30, 240,  
255) }
```

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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