

Converting Colors

$Y_{xy}(77.0521, 0.2251, 0.3250)$

Have a look what the booklet for
Yxy(77.0521, 0.2251, 0.3250)
contains.

Yxy(77.1168, 0.2251, 0.3251)	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(77.1168, 0.2251, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	1EFCFF
RGB	30, 252, 255
RGB Percent	12%, 99%, 100%
CMY	0.8827, 0.0117, 0.0000
CMYK	0.88, 0.01, 0.00, 0.00
HSL	181°, 100%, 56%
HSV	181°, 88%, 100%
XYZ	53.3959, 77.1168, 106.6968
YIQ	185.9640, -133.2750, -46.1310

Conversions

Conversions Part 2

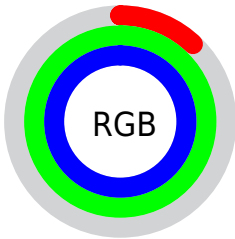
Format	Color
R _Y B	30, 142, 255
Decimal	2030847
CIE Lab	90.38, -45.95, -15.25
CIE LCh	90, 48.412, 198.357
Yxy	77.1168, 0.2251, 0.3251
Android (android.graphics.Color)	4280220927 (0xFF1EFCFF)
YUV	185.9640, 34.0347, -136.7804
Hunter-Lab	87.8162, -45.1429, -10.5661

Details

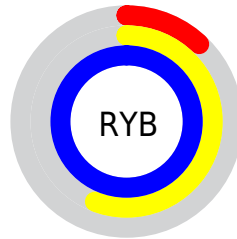
The Yxy color **77.1168, 0.2251, 0.3251** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.4355, 0.6198, 0.3310**, and the grayscale version is **48.9280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **43.1074, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **76.6590, 0.2237, 0.3247**, and if you desaturate by 10%, it is **77.8806, 0.2281, 0.3256**.

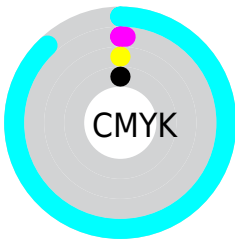
Distribution



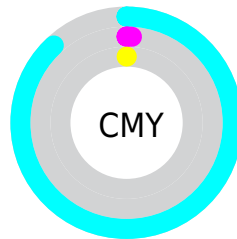
- Red (12%)
- Green (99%)
- Blue (100%)



- Red (12%)
- Yellow (56%)
- Blue (100%)



- Cyan (88%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1168, 0.2251, 0.3251 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 77.1168, 0.2251, 0.3251 by changing the saturation by 10% instead.


 77.1168, 0.2251,
0.3251


 77.1168, 0.2251,
0.3251


485.1622, 0.2639,
0.3282


 57.3487, 0.2167,
0.3241

 129.3043, 0.2382,
0.3264


 41.2853, 0.2066,
0.3227


 162.4926, 0.2434,
0.3269

 28.5421, 0.1942,
0.3207


 200.9231, 0.2479,
0.3272

 18.7347, 0.1786,
0.3178

 244.9801, 0.2519,
0.3275

 11.4787, 0.1587,
0.3132

295.0482, 0.2554,
0.3278

 6.3898, 0.1327,
0.3056


351.5116, 0.2585,


 3.0835, 0.0980,


0.3279


414.7548, 0.2613,
0.3281


0.2918


 1.1755, 0.0000,
0.2784


 0.0416, 0.0000,
0.0358


 77.1168, 0.2251,
0.3251

 77.1168, 0.2251,
0.3251


 76.6590, 0.2237,
0.3247

 77.8806, 0.2281,
0.3256

 76.5938, 0.2235,
0.3246

 79.0158, 0.2330,
0.3260

 80.5738, 0.2398,
0.3265

 82.5971, 0.2485,
0.3270

85.1231, 0.2592,
0.3274

88.1850, 0.2714,
0.3279

91.8137, 0.2851,
0.3283

96.0374, 0.2999,
0.3287

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.1168, 0.2626, 0.3833



77.1168, 0.2251, 0.3251



77.1168, 0.2103, 0.2753

Triad

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



77.1168, 0.2251, 0.3251



77.1168, 0.3013, 0.2524



77.1168, 0.4122, 0.4071

Complementary

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



77.1168, 0.2251, 0.3251



22.4355, 0.6198, 0.3310

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.



77.1168, 0.4270, 0.3666



77.1168, 0.2251, 0.3251



77.1168, 0.3598, 0.2818

Square

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



77.1168, 0.2251, 0.3251



77.1168, 0.2510, 0.2394



77.1168, 0.4077, 0.3221



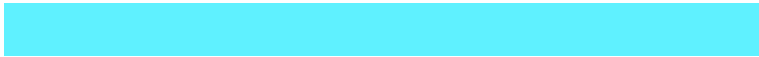
77.1168, 0.3706, 0.4316

Rectangle

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



77.1168, 0.2251, 0.3251



77.1168, 0.2138, 0.2534



77.1168, 0.4077, 0.3221



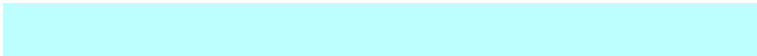
77.1168, 0.4207, 0.3947

Sweetspot

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



77.1182, 0.2251, 0.3251



88.9588, 0.2744, 0.3280



71.8879, 0.3004, 0.5912



18.7909, 0.2699, 0.3278



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.



77.1182, 0.2251, 0.3251



76.5938, 0.2235, 0.3246



26.9756, 0.1844, 0.1756



20.4375, 0.2980, 0.3286



40.0409, 0.2235, 0.3247



3.9114, 0.2237, 0.3252

Inverse Universe

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



29.2123, 0.3237, 0.1595



28.2633, 0.3243, 0.1560



40.8343, 0.5202, 0.4148



18.2960, 0.3140, 0.3059



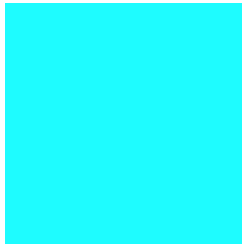
14.7701, 0.3243, 0.1560



1.4394, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 77.1168, 0.2251, 0.3251 looks on a white background.

Color Contrast Check

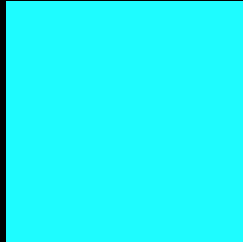
Large Text (above 18pt) WCAG AA × Fail

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 77.1168, 0.2251, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

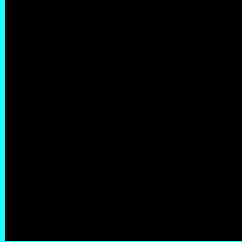
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1168, 0.2251, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 77.1168, 0.2251, 0.3251.

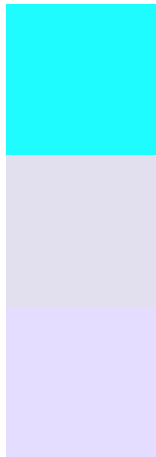


This preview shows how white text looks on a background with the Yxy color 77.1168, 0.2251, 0.3251.

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

77.1168, 0.2251, 0.3251

Protanopia

75.6531, 0.3051, 0.3143

Deuteranopia

75.5909, 0.2966, 0.2941



Tritanopia

76.2416, 0.2518, 0.3129

Trichromacy



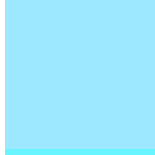
Original Color

77.1168, 0.2251, 0.3251



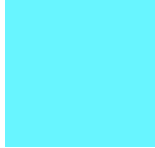
Protanomaly

72.3459, 0.2599, 0.3172



Deuteranomaly

72.1013, 0.2553, 0.3027



Tritanomaly

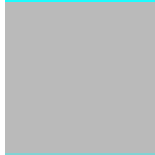
75.4679, 0.2369, 0.3170

Monochromacy



Original Color

77.1168, 0.2251, 0.3251



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4635, 0.2590, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1168, 0.2251, 0.3251 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 252, 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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.1168, 0.2251, 0.3251 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, 252, 255) }
```

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

```
.border{ border-color:rgb(30, 252, 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, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1168, 0.2251, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 252, 255) }
```

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

```
.background{ background-color: rgb(30, 252,  
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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