

Converting Colors

$Y_{xy}(70.4133, 0.2249, 0.3216)$

Have a look what the booklet for
Yxy(70.4133, 0.2249, 0.3216)
contains.

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Color

Yxy(70.6130, 0.2252, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	25F2F7
RGB	37, 242, 247
RGB Percent	15%, 95%, 97%
CMY	0.8542, 0.0510, 0.0313
CMYK	0.85, 0.02, 0.00, 0.03
HSL	181°, 93%, 56%
HSV	181°, 85%, 97%
XYZ	49.3087, 70.6130, 99.0334
YIQ	181.2750, -123.7850, -41.9050

Conversions

Conversions Part 2

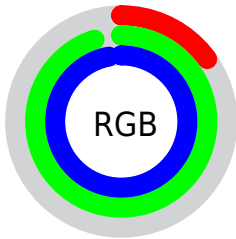
Format	Color
R _Y B	37, 141, 247
Decimal	2487031
CIE Lab	87.30, -43.49, -15.68
CIE LCh	87, 46.226, 199.828
Yxy	70.6130, 0.2252, 0.3225
Android (android.graphics.Color)	4280677111 (0xFF25F2F7)
YUV	181.2750, 32.4024, -126.5292
Hunter-Lab	84.0315, -42.3136, -11.0527

Details

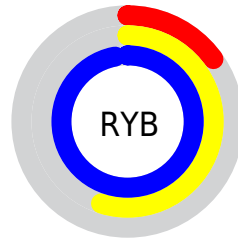
The Yxy color **70.6130, 0.2252, 0.3225** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.5800, 0.6086, 0.3322**, and the grayscale version is **46.2661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **38.4595, 0.2220, 0.3191** is the 20% darker color. If you saturate the color by 10%, you get **69.9500, 0.2232, 0.3217**, and if you desaturate by 10%, it is **71.5910, 0.2289, 0.3233**.

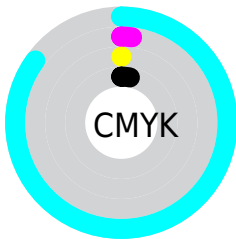
Distribution



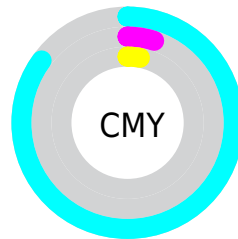
- Red (15%)
- Green (95%)
- Blue (97%)



- Red (15%)
- Yellow (55%)
- Blue (97%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)





- Cyan (85%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6130, 0.2252, 0.3225 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 70.6130, 0.2252, 0.3225 by changing the saturation by 10% instead.


 70.6130, 0.2252,
0.3225

 70.6130, 0.2252,
0.3225

462.6994, 0.2645,
0.3269


 52.0264, 0.2166,
0.3212


 120.0825, 0.2386,
0.3243

 37.0261, 0.2061,
0.3194


 151.7343, 0.2439,
0.3249

 25.2277, 0.1931,
0.3169


 188.5099, 0.2485,
0.3254

 16.2468, 0.1768,
0.3131

 230.7937, 0.2525,
0.3258

 9.6990, 0.1557,
0.3074

278.9702, 0.2560,
0.3262

 5.1998, 0.1277,
0.2978

333.4237, 0.2592,

 2.3650, 0.0899,

0.3264

0.2803

394.5387, 0.2620,
0.3267

0.8078, 0.0000,
0.2541

0.0000, 0.0000,
0.0000

70.6130, 0.2252,
0.3225

70.6130, 0.2252,
0.3225

69.9500, 0.2232,
0.3217


71.5910, 0.2289,
0.3233

69.6917, 0.2226,
0.3213


72.9297, 0.2346,
0.3241

74.6755, 0.2422,
0.3249


76.8656, 0.2517,
0.3257

 79.5333, 0.2630,
0.3265

 82.7087, 0.2758,
0.3273

 86.4193, 0.2899,
0.3280

 90.6906, 0.3050,
0.3287

 94.6861, 0.3178,
0.3293

Harmonies

Analogous

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



70.6130, 0.2612, 0.3797



70.6130, 0.2252, 0.3225



70.6130, 0.2118, 0.2743

Triad

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



70.6130, 0.2252, 0.3225



70.6130, 0.3043, 0.2546



70.6130, 0.4092, 0.4077

Complementary

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



70.6130, 0.2252, 0.3225



21.5800, 0.6086, 0.3322

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.



70.6130, 0.4252, 0.3683



70.6130, 0.2252, 0.3225



70.6130, 0.3617, 0.2842

Square

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



70.6130, 0.2252, 0.3225



70.6130, 0.2540, 0.2409



70.6130, 0.4078, 0.3244



70.6130, 0.3673, 0.4303

Rectangle

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



70.6130, 0.2252, 0.3225



70.6130, 0.2159, 0.2534



70.6130, 0.4078, 0.3244



70.6130, 0.4179, 0.3957

Sweetspot

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



70.6156, 0.2252, 0.3225



88.8811, 0.2757, 0.3273



67.0821, 0.3001, 0.5848



18.7537, 0.2710, 0.3270



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.



70.6156, 0.2252, 0.3225



74.9151, 0.2226, 0.3213



25.4610, 0.1860, 0.1772



18.6859, 0.2981, 0.3284



36.8862, 0.2226, 0.3215



3.2631, 0.2229, 0.3224

Inverse Universe

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



27.5208, 0.3258, 0.1629



28.0939, 0.3271, 0.1576



40.3423, 0.5083, 0.4192



16.7611, 0.3142, 0.3062



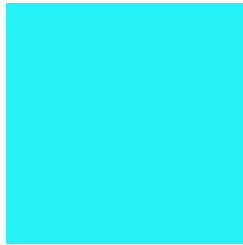
13.8231, 0.3270, 0.1575



1.2170, 0.3262, 0.1570

Previews

White Background



This preview shows how the Yxy color 70.6130, 0.2252, 0.3225 looks on a white background.

Color Contrast Check

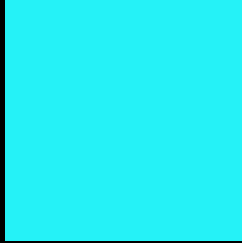
Large Text (above 18pt) WCAG AA × Fail

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 70.6130, 0.2252, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

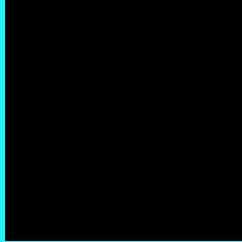
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6130, 0.2252, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 70.6130, 0.2252, 0.3225.

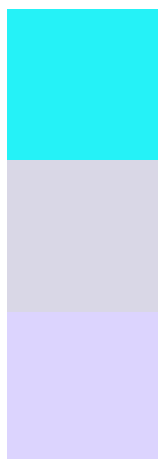


This preview shows how white text looks on a background with the Yxy color 70.6130, 0.2252, 0.3225.

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

70.6130, 0.2252, 0.3225

Protanopia

69.0658, 0.3042, 0.3126

Deuteranopia

69.4584, 0.2910, 0.2849



Tritanopia

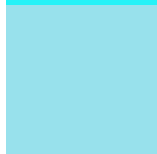
70.1155, 0.2315, 0.3071

Trichromacy



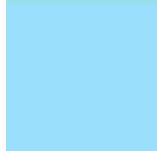
Original Color

70.6130, 0.2252, 0.3225



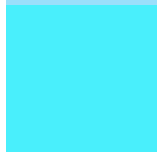
Protanomaly

66.5820, 0.2608, 0.3157



Deuteranomaly

66.6104, 0.2541, 0.2962



Tritanomaly

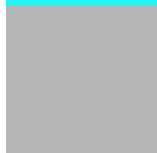
70.1777, 0.2282, 0.3129

Monochromacy



Original Color

70.6130, 0.2252, 0.3225



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

51.7868, 0.2609, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6130, 0.2252, 0.3225 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(37, 242, 247)` looks like.

```
.text, #text, p{  
    color:rgb(37, 242, 247)  
}
```

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(37, 242, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 242, 247) }
```

Border

The CSS property to change the border of an element to Yxy 70.6130, 0.2252, 0.3225 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(37, 242, 247) }
```

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

```
.border{ border-color:rgb(37, 242, 247) }
```

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

Here you see how a box with a 4 pixel rgb(37, 242, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 242, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 242, 247);  
box-shadow:4px 4px 4px 4px rgb(37, 242,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6130, 0.2252, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 242, 247) }
```

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

```
.background{ background-color: rgb(37, 242,  
247) }
```

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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