

Converting Colors

$Y_{xy}(70.6247, 0.2284, 0.3153)$

Have a look what the booklet for
Yxy(70.6247, 0.2284, 0.3153)
contains.

Yxy(70.6248, 0.2284, 0.3153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6248, 0.2284, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	47F0FB
RGB	71, 240, 251
RGB Percent	28%, 94%, 98%
CMY	0.7224, 0.0588, 0.0157
CMYK	0.72, 0.04, 0.00, 0.02
HSL	184°, 96%, 63%
HSV	184°, 72%, 98%
XYZ	51.1599, 70.6248, 102.2077
YIQ	190.7230, -104.2550, -32.4070

Conversions

Conversions Part 2

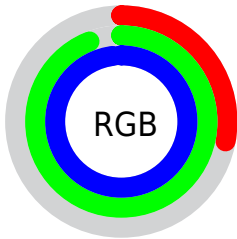
Format	Color
RYB	71, 158, 251
Decimal	4714747
CIELab	87.30, -38.54, -17.72
CIElCh	87, 42.422, 204.688
Yxy	70.6248, 0.2284, 0.3153
Android (android.graphics.Color)	4282904827 (0xFF47F0FB)
YUV	190.7230, 29.7166, -104.9971
Hunter-Lab	84.0386, -38.4027, -13.2815

Details

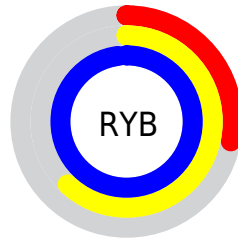
The Yxy color **70.6248, 0.2284, 0.3153** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.9643, 0.5511, 0.3383**, and the grayscale version is **51.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **37.7620, 0.2198, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **68.9718, 0.2236, 0.3132**, and if you desaturate by 10%, it is **72.6818, 0.2351, 0.3174**.

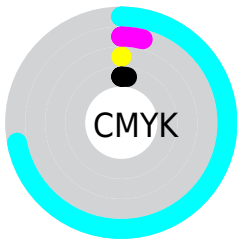
Distribution



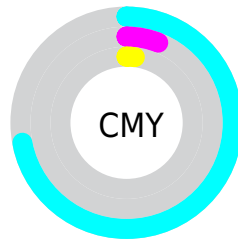
- Red (28%)
- Green (94%)
- Blue (98%)



- Red (28%)
- Yellow (62%)
- Blue (98%)



- Cyan (72%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (72%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6248, 0.2284, 0.3153 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 70.6248, 0.2284, 0.3153 by changing the saturation by 10% instead.

 70.6248, 0.2284,
0.3153


 70.6248, 0.2284,
0.3153


462.7408, 0.2663,
0.3229


 52.0361, 0.2201,
0.3133


 120.0993, 0.2413,
0.3182


 37.0338, 0.2100,
0.3106


 151.7539, 0.2464,
0.3193

 25.2337, 0.1975,
0.3070


 188.5326, 0.2508,
0.3201

 16.2512, 0.1817,
0.3020

 230.8197, 0.2547,
0.3209

 9.7021, 0.1613,
0.2945

278.9997, 0.2581,
0.3215

 5.2019, 0.1342,
0.2827

333.4569, 0.2611,

 2.3662, 0.0976,

0.3221

0.2623

394.5758, 0.2638,
0.3225

■ 0.8084, 0.0000,
0.2344

■ 0.0000, 0.0000,
0.0000

■ 70.6248, 0.2284,
0.3153

■ 70.6248, 0.2284,
0.3153

■ 68.9718, 0.2236,
0.3132

■ 72.6818, 0.2351,
0.3174

■ 67.6631, 0.2207,
0.3112

■ 75.1781, 0.2438,
0.3195

■ 66.7838, 0.2193,
0.3095


■ 78.1537, 0.2543,
0.3215


■ 81.6420, 0.2665,
0.3235

 85.6734, 0.2800,
0.3254

 90.2758, 0.2946,
0.3271

 95.4754, 0.3099,
0.3287

 98.0121, 0.3152,
0.3302

 98.9788, 0.3151,
0.3317

Harmonies

Analogous

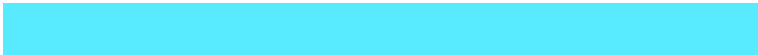
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6248, 0.2588, 0.3672



70.6248, 0.2284, 0.3153



70.6248, 0.2193, 0.2734

Triad

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



70.6248, 0.2284, 0.3153



70.6248, 0.3137, 0.2636



70.6248, 0.3968, 0.4066

Complementary

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



70.6248, 0.2284, 0.3153



26.9643, 0.5511, 0.3383

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.



70.6248, 0.4157, 0.3723



70.6248, 0.2284, 0.3153



70.6248, 0.3658, 0.2933

Square

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



70.6248, 0.2284, 0.3153



70.6248, 0.2653, 0.2482



70.6248, 0.4045, 0.3317



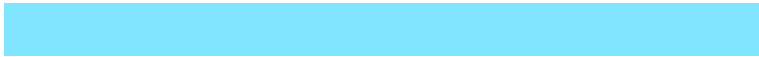
70.6248, 0.3557, 0.4228

Rectangle

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



70.6248, 0.2284, 0.3153



70.6248, 0.2255, 0.2561



70.6248, 0.4045, 0.3317



70.6248, 0.4061, 0.3966

Sweetspot

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



70.6274, 0.2284, 0.3153



88.7049, 0.2797, 0.3253



70.9073, 0.2995, 0.5512



18.7322, 0.2759, 0.3248



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.



70.6274, 0.2284, 0.3153



70.8713, 0.2221, 0.3123



30.7170, 0.1982, 0.1951



19.4165, 0.2980, 0.3275



35.1812, 0.2194, 0.3098



3.3118, 0.2201, 0.3123

Inverse Universe

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



31.2826, 0.3310, 0.1793



28.8920, 0.3344, 0.1670



49.6784, 0.4702, 0.4226



17.5052, 0.3147, 0.3070



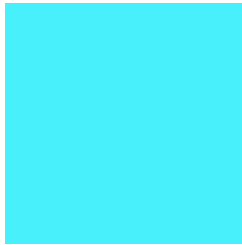
13.9625, 0.3368, 0.1629



1.2986, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 70.6248, 0.2284, 0.3153 looks on a white background.

Color Contrast Check

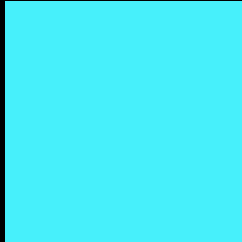
Large Text (above 18pt) WCAG AA × Fail

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 70.6248, 0.2284, 0.3153 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 70.6248, 0.2284, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 70.6248, 0.2284, 0.3153.

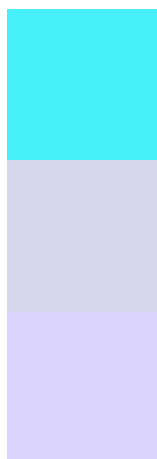


This preview shows how white text looks on a background with the Yxy color 70.6248, 0.2284, 0.3153.

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

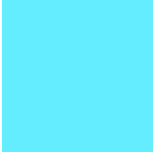
70.6248, 0.2284, 0.3153

Protanopia

69.0461, 0.2995, 0.3072

Deuteranopia

69.2124, 0.2890, 0.2837



Tritanopia

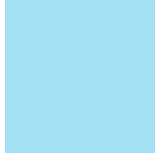
70.4410, 0.2332, 0.3072

Trichromacy



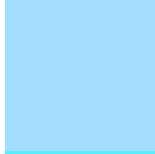
Original Color

70.6248, 0.2284, 0.3153



Protanomaly

67.4487, 0.2640, 0.3090



Deuteranomaly

67.2908, 0.2576, 0.2923



Tritanomaly

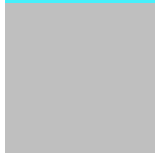
70.4287, 0.2310, 0.3094

Monochromacy



Original Color

70.6248, 0.2284, 0.3153



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.6081, 0.2679, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6248, 0.2284, 0.3153 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(71, 240, 251)` looks like.

```
.text, #text, p{  
    color:rgb(71, 240, 251)  
}
```

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(71, 240, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 240, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.6248, 0.2284, 0.3153 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(71, 240, 251) }
```

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

```
.border{ border-color:rgb(71, 240, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 240, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 240, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 240, 251);  
box-shadow:4px 4px 4px 4px rgb(71, 240,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6248, 0.2284, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 240, 251) }
```

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

```
.background{ background-color: rgb(71, 240,  
251) }
```

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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