

Converting Colors

$Yxy(72.4747, 0.2400, 0.3180)$

Have a look what the booklet for
Yxy(72.4747, 0.2400, 0.3180)
contains.

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Color

Yxy(72.4747, 0.2400, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	6EF0F9
RGB	110, 240, 249
RGB Percent	43%, 94%, 98%
CMY	0.5683, 0.0588, 0.0235
CMYK	0.56, 0.04, 0.00, 0.02
HSL	184°, 92%, 70%
HSV	184°, 56%, 98%
XYZ	54.6979, 72.4747, 100.7353
YIQ	202.1560, -80.3690, -24.7610

Conversions

Conversions Part 2

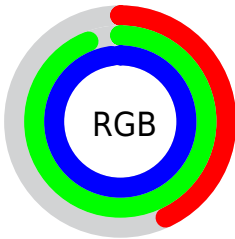
Format	Color
R _Y B	110, 177, 249
Decimal	7270649
CIE Lab	88.20, -33.23, -15.23
CIE LCh	88, 36.556, 204.625
Yxy	72.4747, 0.2400, 0.3180
Android (android.graphics.Color)	4285460729 (0xFF6EF0F9)
YUV	202.1560, 23.0941, -80.8208
Hunter-Lab	85.1321, -34.2938, -10.5644

Details

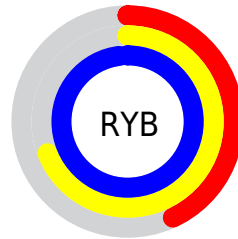
The Yxy color **72.4747, 0.2400, 0.3180** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.4876, 0.4761, 0.3386**, and the grayscale version is **59.0710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **38.4546, 0.2240, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **70.1496, 0.2320, 0.3158**, and if you desaturate by 10%, it is **75.2625, 0.2498, 0.3202**.

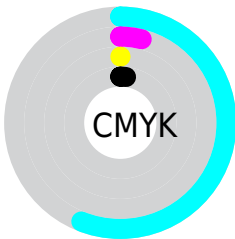
Distribution



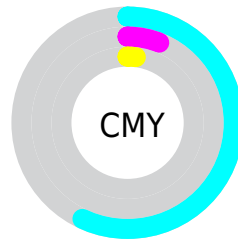
- Red (43%)
- Green (94%)
- Blue (98%)



- Red (43%)
- Yellow (69%)
- Blue (98%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (57%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4747, 0.2400, 0.3180 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 72.4747, 0.2400, 0.3180 by changing the saturation by 10% instead.


 72.4747, 0.2400,
0.3180


 72.4747, 0.2400,
0.3180


469.1922, 0.2727,
0.3240


 53.5465, 0.2328,
0.3164

 122.7312, 0.2512,
0.3203

 38.2393, 0.2240,
0.3143


 154.8283, 0.2556,
0.3211

 26.1684, 0.2131,
0.3115


 192.0839, 0.2594,
0.3218

 16.9497, 0.1992,
0.3076

234.8823, 0.2627,
0.3224

 10.1986, 0.1811,
0.3019

283.6079, 0.2657,
0.3229

 5.5309, 0.1566,
0.2928

338.6452, 0.2683,

 2.5620, 0.1223,

0.3233

0.2769

400.3785, 0.2706,
0.3237

0.9076, 0.0148,
0.2613

0.0000, 0.0000,
0.0000

72.4747, 0.2400,
0.3180

72.4747, 0.2400,
0.3180

70.1496, 0.2320,
0.3158

75.2625, 0.2498,
0.3202

68.2404, 0.2260,
0.3135


78.5390, 0.2614,
0.3223


66.7045, 0.2220,
0.3113

82.3378, 0.2744,
0.3244

65.4862, 0.2196,
0.3092


86.6872, 0.2886,
0.3263


 65.0328, 0.2190,
0.3082

 91.6135, 0.3037,
0.3280

 96.2789, 0.3165,
0.3297

 97.2859, 0.3164,
0.3312

 98.3015, 0.3163,
0.3327

 99.3258, 0.3162,
0.3343

Harmonies

Analogous

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



72.4747, 0.2667, 0.3616



72.4747, 0.2400, 0.3180



72.4747, 0.2318, 0.2818

Triad

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



72.4747, 0.2400, 0.3180



72.4747, 0.3138, 0.2722



72.4747, 0.3852, 0.3961

Complementary

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



72.4747, 0.2400, 0.3180



34.4876, 0.4761, 0.3386

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.



72.4747, 0.4007, 0.3672



72.4747, 0.2400, 0.3180



72.4747, 0.3581, 0.2982

Square

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



72.4747, 0.2400, 0.3180



72.4747, 0.2720, 0.2589



72.4747, 0.3909, 0.3320



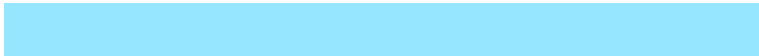
72.4747, 0.3503, 0.4087

Rectangle

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



72.4747, 0.2400, 0.3180



72.4747, 0.2372, 0.2664



72.4747, 0.3909, 0.3320



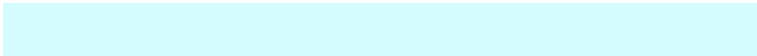
72.4747, 0.3930, 0.3878

Sweetspot

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



72.4775, 0.2400, 0.3180



90.9032, 0.2868, 0.3260



72.3632, 0.3015, 0.5011



19.2523, 0.2839, 0.3257



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.



72.4775, 0.2400, 0.3180



73.7603, 0.2312, 0.3155



39.8959, 0.2212, 0.2298



19.4043, 0.2980, 0.3274



34.8900, 0.2191, 0.3086



3.2880, 0.2198, 0.3112

Inverse Universe

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



37.6033, 0.3273, 0.2038



34.1503, 0.3305, 0.1858



56.5960, 0.4293, 0.4080



17.5040, 0.3148, 0.3071



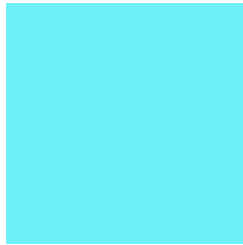
13.9331, 0.3379, 0.1635



1.2962, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 72.4747, 0.2400, 0.3180 looks on a white background.

Color Contrast Check

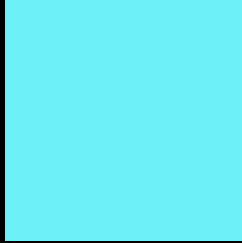
Large Text (above 18pt) WCAG AA × Fail

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 72.4747, 0.2400, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

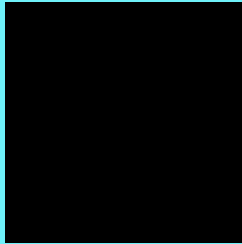
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

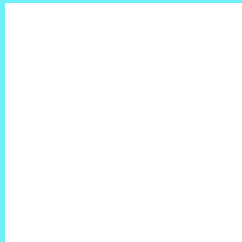
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4747, 0.2400, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 72.4747, 0.2400, 0.3180.

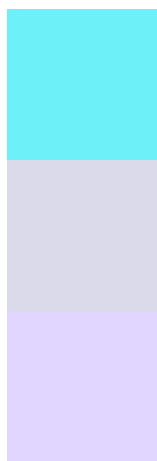


This preview shows how white text looks on a background with the Yxy color 72.4747, 0.2400, 0.3180.

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

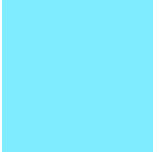
72.4747, 0.2400, 0.3180

Protanopia

71.2010, 0.3023, 0.3107

Deuteranopia

71.1604, 0.2931, 0.2864



Tritanopia

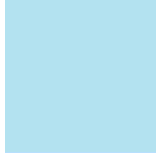
72.3004, 0.2430, 0.3077

Trichromacy



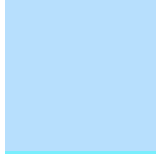
Original Color

72.4747, 0.2400, 0.3180



Protanomaly

70.2677, 0.2740, 0.3129



Deuteranomaly

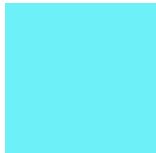
69.9345, 0.2689, 0.2955



Tritanomaly

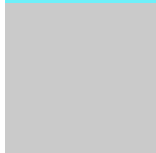
72.3059, 0.2418, 0.3111

Monochromacy



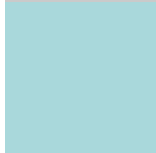
Original Color

72.4747, 0.2400, 0.3180



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.6612, 0.2788, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4747, 0.2400, 0.3180 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(110, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(110, 240, 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(110, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 240, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.4747, 0.2400, 0.3180 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(110, 240, 249) }
```

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

```
.border{ border-color:rgb(110, 240, 249) }
```

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

Here you see how a box with a 4 pixel rgb(110, 240, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(110, 240,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4747, 0.2400, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 240, 249) }
```

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

```
.background{ background-color: rgb(110,  
240, 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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