

Converting Colors

$Yxy(72.9664, 0.2425, 0.3181)$

Have a look what the booklet for
Yxy(72.9664, 0.2425, 0.3181)
contains.

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Color

Yxy(72.9416, 0.2424, 0.3181)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75F0F9 |
| RGB | 117, 240, 249 |
| RGB Percent | 46%, 94%, 98% |
| CMY | 0.5417, 0.0588, 0.0235 |
| CMYK | 0.53, 0.04, 0.00, 0.02 |
| HSL | 184°, 92%, 72% |
| HSV | 184°, 53%, 98% |
| XYZ | 55.5833, 72.9416, 100.7791 |
| YIQ | 204.2490, -76.1970, -23.2770 |

Conversions

Conversions Part 2

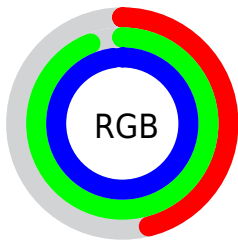
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 117, 181, 249 |
| Decimal | 7729401 |
| CIE Lab | 88.42, -31.96, -14.88 |
| CIE LCh | 88, 35.254, 204.958 |
| Yxy | 72.9416, 0.2424, 0.3181 |
| Android (android.graphics.Color) | 4285919481 (0xFF75F0F9) |
| YUV | 204.2490, 22.0622, -76.5174 |
| Hunter-Lab | 85.4059, -33.2900, -10.1782 |

Details

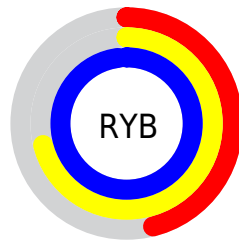
The Yxy color **72.9416, 0.2424, 0.3181** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.3114, 0.4637, 0.3387**, and the grayscale version is **60.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **38.7356, 0.2269, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **70.4518, 0.2339, 0.3158**, and if you desaturate by 10%, it is **75.9047, 0.2528, 0.3204**.

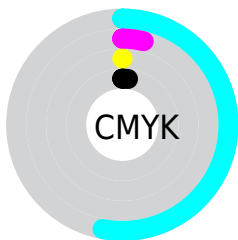
Distribution



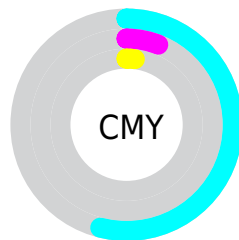
- Red (46%)
- Green (94%)
- Blue (98%)



- Red (46%)
- Yellow (71%)
- Blue (98%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)




- Cyan (54%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9416, 0.2424, 0.3181 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 72.9416, 0.2424, 0.3181 by changing the saturation by 10% instead.


 72.9416, 0.2424,
0.3181

 72.9416, 0.2424,
0.3181


470.8124, 0.2741,
0.3240

 53.9282, 0.2354,
0.3165


 123.3943, 0.2532,
0.3203

 38.5443, 0.2269,
0.3145


 155.6024, 0.2575,
0.3211

 26.4054, 0.2163,
0.3118


 192.9775, 0.2611,
0.3218

 17.1272, 0.2029,
0.3081

235.9041, 0.2644,
0.3224

 10.3252, 0.1853,
0.3025

284.7664, 0.2672,
0.3229

 5.6151, 0.1614,
0.2938

339.9490, 0.2698,

 2.6125, 0.1279,

0.3233

0.2786

401.8362, 0.2720,
0.3237

■ 0.9329, 0.0297,
0.2623

■ 0.0000, 0.0000,
0.0000

■ 72.9416, 0.2424,
0.3181

■ 72.9416, 0.2424,
0.3181

■ 70.4518, 0.2339,
0.3158

■ 75.9047, 0.2528,
0.3204

■ 68.3898, 0.2273,
0.3134


■ 79.3660, 0.2648,
0.3226

■ 66.7151, 0.2227,
0.3111

■ 83.3584, 0.2782,
0.3247


■ 65.3755, 0.2198,
0.3088

■ 87.9096, 0.2927,
0.3267

 64.5895, 0.2187,
0.3072

 93.0455, 0.3079,
0.3285

 96.5868, 0.3165,
0.3301

 97.6458, 0.3164,
0.3318

 98.7143, 0.3163,
0.3334

 99.6202, 0.3162,
0.3347

Harmonies

Analogous

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



72.9416, 0.2681, 0.3599



72.9416, 0.2424, 0.3181



72.9416, 0.2346, 0.2834

Triad

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



72.9416, 0.2424, 0.3181



72.9416, 0.3143, 0.2744



72.9416, 0.3823, 0.3940

Complementary

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



72.9416, 0.2424, 0.3181



36.3114, 0.4637, 0.3387

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.



72.9416, 0.3974, 0.3664



72.9416, 0.2424, 0.3181



72.9416, 0.3569, 0.2997

Square

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



72.9416, 0.2424, 0.3181



72.9416, 0.2739, 0.2614



72.9416, 0.3882, 0.3324



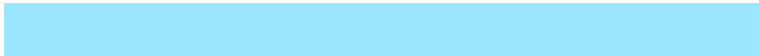
72.9416, 0.3486, 0.4057

Rectangle

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



72.9416, 0.2424, 0.3181



72.9416, 0.2400, 0.2685



72.9416, 0.3882, 0.3324



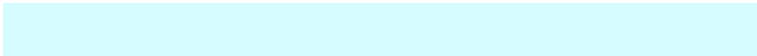
72.9416, 0.3898, 0.3861

Sweetspot

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



72.9444, 0.2424, 0.3181



91.3075, 0.2883, 0.3261



73.0293, 0.3010, 0.4890



19.3290, 0.2853, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

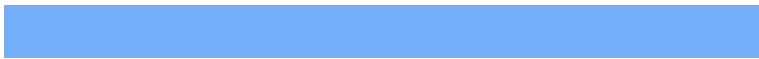
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9444, 0.2424, 0.3181



74.1224, 0.2331, 0.3155



40.9379, 0.2249, 0.2326



19.3944, 0.2980, 0.3273



34.6562, 0.2188, 0.3076



3.2688, 0.2195, 0.3103

Inverse Universe

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



39.1280, 0.3269, 0.2092



35.4049, 0.3301, 0.1905



59.0138, 0.4210, 0.4069



17.5030, 0.3148, 0.3072



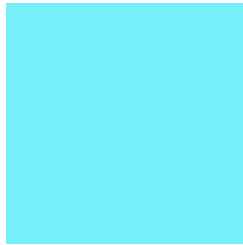
13.9095, 0.3388, 0.1640



1.2942, 0.3364, 0.1627

Previews

White Background



This preview shows how the Yxy color 72.9416, 0.2424, 0.3181 looks on a white background.

Color Contrast Check

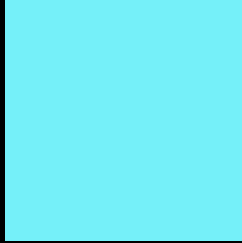
Large Text (above 18pt) WCAG AA × Fail

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 72.9416, 0.2424, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

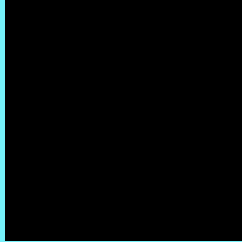
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9416, 0.2424, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 72.9416, 0.2424, 0.3181.

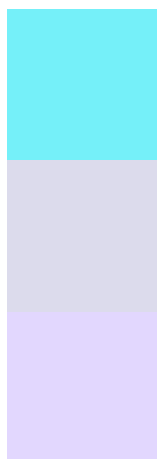


This preview shows how white text looks on a background with the Yxy color 72.9416, 0.2424, 0.3181.

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

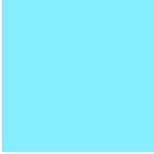
72.9416, 0.2424, 0.3181

Protanopia

71.9348, 0.3024, 0.3108

Deuteranopia

71.9254, 0.2951, 0.2886



Tritanopia

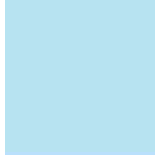
72.6939, 0.2450, 0.3079

Trichromacy



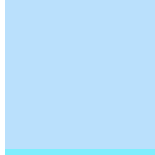
Original Color

72.9416, 0.2424, 0.3181



Protanomaly

71.3563, 0.2759, 0.3131



Deuteranomaly

70.7787, 0.2713, 0.2979



Tritanomaly

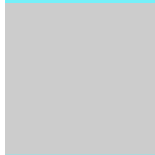
72.7529, 0.2441, 0.3112

Monochromacy



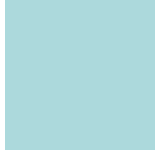
Original Color

72.9416, 0.2424, 0.3181



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.5637, 0.2802, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9416, 0.2424, 0.3181 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(117, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.9416, 0.2424, 0.3181 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(117, 240, 249) }
```

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

```
.border{ border-color:rgb(117, 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(117, 240, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9416, 0.2424, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 249) }
```

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

```
.background{ background-color: rgb(117,  
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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