

Converting Colors

$Yxy(72.8918, 0.2442, 0.3347)$

Have a look what the booklet for
Yxy(72.8918, 0.2442, 0.3347)
contains.

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Color

Yxy(72.7445, 0.2445, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	6BF2ED
RGB	107, 242, 237
RGB Percent	42%, 95%, 93%
CMY	0.5800, 0.0510, 0.0706
CMYK	0.56, 0.00, 0.02, 0.05
HSL	178°, 84%, 68%
HSV	178°, 56%, 95%
XYZ	53.1085, 72.7445, 91.3596
YIQ	201.0650, -78.8550, -30.1750

Conversions

Conversions Part 2

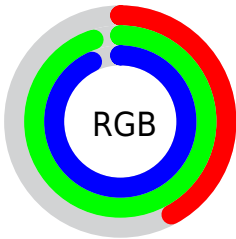
Format	Color
R _{YB}	107, 176, 242
Decimal	7074541
CIE _{Lab}	88.33, -37.86, -8.77
CIE _{LCh}	88, 38.857, 193.037
Yxy	72.7445, 0.2445, 0.3349
Android (android.graphics.Color)	4285264621 (0xFF6BF2ED)
YUV	201.0650, 17.7160, -82.4950
Hunter-Lab	85.2904, -38.1101, -3.8058

Details

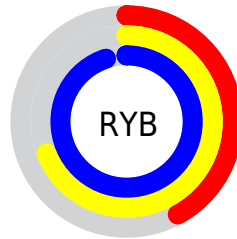
The Yxy color **72.7445, 0.2445, 0.3349** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.5822, 0.4753, 0.3243**, and the grayscale version is **58.3908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **38.2810, 0.2292, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **71.3977, 0.2376, 0.3361**, and if you desaturate by 10%, it is **74.5169, 0.2534, 0.3337**.

Distribution



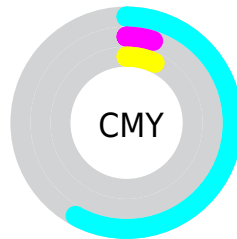
- Red (42%)
- Green (95%)
- Blue (93%)



- Red (42%)
- Yellow (69%)
- Blue (95%)



- Cyan (56%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (58%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7445, 0.2445, 0.3349 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 72.7445, 0.2445, 0.3349 by changing the saturation by 10% instead.


 72.7445, 0.2445,
0.3349

 72.7445, 0.2445,
0.3349


470.1288, 0.2754,
0.3329

 53.7671, 0.2376,
0.3352

 123.1144, 0.2551,
0.3343

 38.4155, 0.2292,
0.3354


 155.2757, 0.2592,
0.3341

 26.3053, 0.2187,
0.3356

 192.6004, 0.2628,
0.3339

 17.0522, 0.2053,
0.3356

235.4729, 0.2660,
0.3336

 10.2717, 0.1877,
0.3351

284.2776, 0.2688,
0.3334

 5.5795, 0.1635,
0.3335


339.3989, 0.2712,

 2.5911, 0.1289,

0.3332

0.3290

401.2212, 0.2734,
0.3331


 0.9222, 0.0000,
0.3420


 0.0000, 0.0000,
0.0000


 72.7445, 0.2445,
0.3349


 72.7445, 0.2445,
0.3349


 71.3977, 0.2376,
0.3361


 74.5169, 0.2534,
0.3337


 70.4320, 0.2326,
0.3373

 76.7383, 0.2640,
0.3326


 69.8084, 0.2295,
0.3386


 79.4402, 0.2761,
0.3315

 69.4749, 0.2281,
0.3398


 82.6491, 0.2896,
0.3304

 69.3866, 0.2279,
0.3403

 86.3895, 0.3041,
0.3295

 90.6841, 0.3192,
0.3286

 91.2493, 0.3205,
0.3278

 91.3037, 0.3199,
0.3269

 91.3584, 0.3194,
0.3260

Harmonies

Analogous

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



72.7445, 0.2791, 0.3803



72.7445, 0.2445, 0.3349



72.7445, 0.2281, 0.2918

Triad

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



72.7445, 0.2445, 0.3349



72.7445, 0.2956, 0.2618



72.7445, 0.3988, 0.3894

Complementary

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



72.7445, 0.2445, 0.3349



30.5822, 0.4753, 0.3243

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.



72.7445, 0.4055, 0.3550



72.7445, 0.2445, 0.3349



72.7445, 0.3432, 0.2846

Square

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



72.7445, 0.2445, 0.3349



72.7445, 0.2557, 0.2539



72.7445, 0.3847, 0.3176



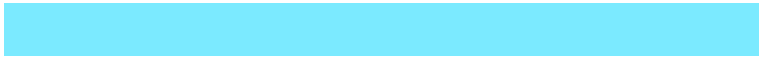
72.7445, 0.3684, 0.4112

Rectangle

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



72.7445, 0.2445, 0.3349



72.7445, 0.2285, 0.2710



72.7445, 0.3847, 0.3176



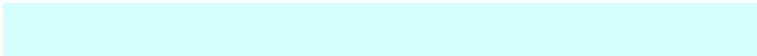
72.7445, 0.4040, 0.3788

Sweetspot

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



72.7473, 0.2445, 0.3349



92.5821, 0.2878, 0.3306



68.1314, 0.3076, 0.5071



19.6537, 0.2850, 0.3308



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.



72.7473, 0.2445, 0.3349



80.2307, 0.2367, 0.3363



42.7067, 0.2254, 0.2489



17.9183, 0.2986, 0.3298



37.2813, 0.2278, 0.3401



3.1046, 0.2274, 0.3385

Inverse Universe

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



30.5822, 0.4753, 0.3243



28.3703, 0.5292, 0.3243



47.8702, 0.4383, 0.3941



15.7683, 0.3288, 0.3282



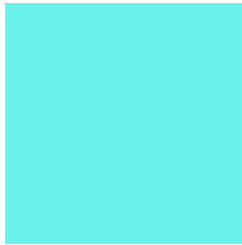
10.1559, 0.6361, 0.3278



0.8482, 0.6259, 0.3222

Previews

White Background



This preview shows how the Yxy color 72.7445, 0.2445, 0.3349 looks on a white background.

Color Contrast Check

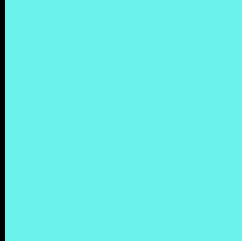
Large Text (above 18pt) WCAG AA × Fail

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 72.7445, 0.2445, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

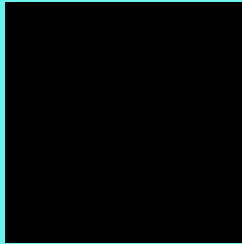
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7445, 0.2445, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 72.7445, 0.2445, 0.3349.

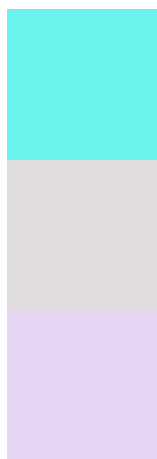


This preview shows how white text looks on a background with the Yxy color 72.7445, 0.2445, 0.3349.

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

72.7445, 0.2445, 0.3349

Protanopia

71.6787, 0.3129, 0.3247

Deuteranopia

71.5531, 0.3056, 0.2988



Tritanopia

72.4555, 0.2438, 0.3078

Trichromacy



Original Color

72.7445, 0.2445, 0.3349



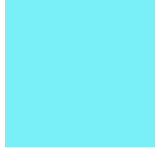
Protanomaly

70.3634, 0.2819, 0.3278



Deuteranomaly

70.1013, 0.2774, 0.3097



Tritanomaly

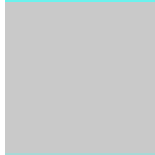
72.5753, 0.2441, 0.3181

Monochromacy



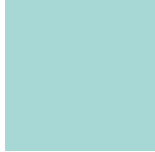
Original Color

72.7445, 0.2445, 0.3349



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.1823, 0.2805, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7445, 0.2445, 0.3349 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(107, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(107, 242, 237)  
}
```

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(107, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 242, 237) }
```

Border

The CSS property to change the border of an element to Yxy 72.7445, 0.2445, 0.3349 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(107, 242, 237) }
```

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

```
.border{ border-color:rgb(107, 242, 237) }
```

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

Here you see how a box with a 4 pixel rgb(107, 242, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(107, 242,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7445, 0.2445, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 242, 237) }
```

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

```
.background{ background-color: rgb(107,  
242, 237) }
```

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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