

Converting Colors

$Y_{xy}(72.3039, 0.2392, 0.3497)$

Have a look what the booklet for
Yxy(72.3039, 0.2392, 0.3497)
contains.

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Color

Yxy(72.3227, 0.2393, 0.3503)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 49F5E4 |
| RGB | 73, 245, 228 |
| RGB Percent | 29%, 96%, 89% |
| CMY | 0.7133, 0.0392, 0.1060 |
| CMYK | 0.70, 0.00, 0.07, 0.04 |
| HSL | 174°, 90%, 62% |
| HSV | 174°, 70%, 96% |
| XYZ | 49.4057, 72.3227, 84.7309 |
| YIQ | 191.6340, -97.0550, -41.7510 |

Conversions

Conversions Part 2

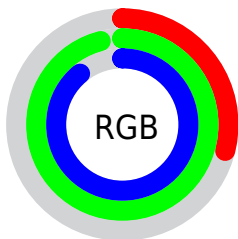
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 73, 163, 245 |
| Decimal | 4847076 |
| CIE Lab | 88.12, -46.79, -4.44 |
| CIE LCh | 88, 46.997, 185.417 |
| Yxy | 72.3227, 0.2393, 0.3503 |
| Android (android.graphics.Color) | 4283037156 (0xFF49F5E4) |
| YUV | 191.6340, 17.9284, -104.0420 |
| Hunter-Lab | 85.0428, -45.1250, 0.4573 |

Details

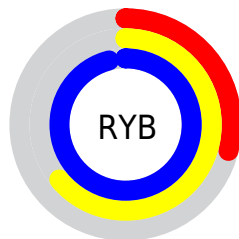
The Yxy color **72.3227, 0.2393, 0.3503** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.9327, 0.5294, 0.3150**, and the grayscale version is **52.4416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **38.9836, 0.2316, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **71.4141, 0.2356, 0.3537**, and if you desaturate by 10%, it is **73.6155, 0.2450, 0.3469**.

Distribution



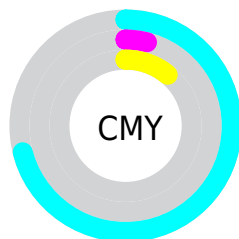
- Red (29%)
- Green (96%)
- Blue (89%)



- Red (29%)
- Yellow (64%)
- Blue (96%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (71%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3227, 0.2393, 0.3503 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 72.3227, 0.2393, 0.3503 by changing the saturation by 10% instead.


 72.3227, 0.2393,
0.3503


 72.3227, 0.2393,
0.3503


468.6640, 0.2727,
0.3410


 53.4223, 0.2318,
0.3523

 122.5152, 0.2508,
0.3472

 38.1400, 0.2227,
0.3546


 154.5761, 0.2553,
0.3460

 26.0914, 0.2113,
0.3575

 191.7927, 0.2592,
0.3449

 16.8920, 0.1967,
0.3610

 234.5493, 0.2626,
0.3439

 10.1575, 0.1774,
0.3653

283.2304, 0.2656,
0.3431

 5.5035, 0.1510,
0.3706


338.2202, 0.2682,

 2.5456, 0.1132,


0.3423


0.3767


399.9033, 0.2706,
0.3416


 0.8994, 0.0000,
0.4039


 0.0000, 0.0000,
0.0000


 72.3227, 0.2393,
0.3503


 72.3227, 0.2393,
0.3503


 71.4141, 0.2356,
0.3537


 73.6155, 0.2450,
0.3469

 70.8344, 0.2338,
0.3572


 75.3237, 0.2525,
0.3435

 70.5108, 0.2335,
0.3605

 77.4848, 0.2619,
0.3402

 80.1295, 0.2729,
0.3371

 83.2861, 0.2852,
0.3342

 86.9808, 0.2985,
0.3315

 91.2377, 0.3125,
0.3290

 93.3044, 0.3177,
0.3267

 93.4556, 0.3163,
0.3244

Harmonies

Analogous

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



72.3227, 0.2845, 0.4041



72.3227, 0.2393, 0.3503



72.3227, 0.2145, 0.2949

Triad

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



72.3227, 0.2393, 0.3503



72.3227, 0.2781, 0.2451



72.3227, 0.4216, 0.3903

Complementary

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



72.3227, 0.2393, 0.3503



24.9327, 0.5294, 0.3150

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.



72.3227, 0.4220, 0.3472



72.3227, 0.2393, 0.3503



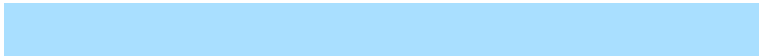
72.3227, 0.3345, 0.2679

Square

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



72.3227, 0.2393, 0.3503



72.3227, 0.2353, 0.2404



72.3227, 0.3890, 0.3040



72.3227, 0.3905, 0.4232

Rectangle

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



72.3227, 0.2393, 0.3503



72.3227, 0.2111, 0.2669



72.3227, 0.3890, 0.3040



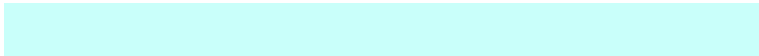
72.3227, 0.4256, 0.3765

Sweetspot

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



72.3255, 0.2393, 0.3503



90.8829, 0.2840, 0.3345



67.9762, 0.3085, 0.5503



19.2386, 0.2805, 0.3353



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.



72.3255, 0.2393, 0.3503



77.9150, 0.2347, 0.3551



39.1599, 0.2096, 0.2358



18.7278, 0.2994, 0.3313



37.9973, 0.2333, 0.3599



3.3476, 0.2321, 0.3557

Inverse Universe

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



24.9327, 0.5294, 0.3150



23.1801, 0.5888, 0.3182



39.2013, 0.4898, 0.3958



16.5092, 0.3278, 0.3267



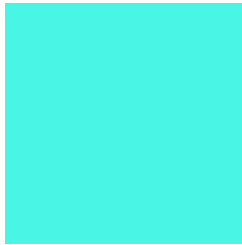
10.5030, 0.6287, 0.3237



0.9319, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 72.3227, 0.2393, 0.3503 looks on a white background.

Color Contrast Check

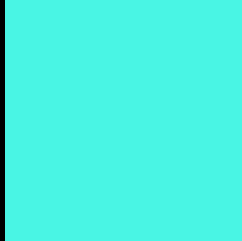
Large Text (above 18pt) WCAG AA × Fail

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 72.3227, 0.2393, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

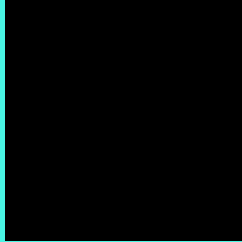
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3227, 0.2393, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 72.3227, 0.2393, 0.3503.

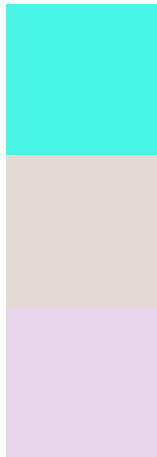


This preview shows how white text looks on a background with the Yxy color 72.3227, 0.2393, 0.3503.

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

72.3227, 0.2393, 0.3503

Protanopia

70.9545, 0.3212, 0.3345

Deuteranopia

70.9103, 0.3123, 0.3059



Tritanopia

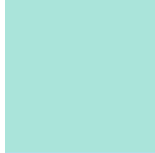
72.1510, 0.2395, 0.3087

Trichromacy



Original Color

72.3227, 0.2393, 0.3503



Protanomaly

69.0948, 0.2810, 0.3408



Deuteranomaly

68.7906, 0.2759, 0.3208



Tritanomaly

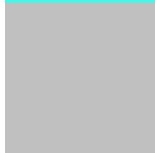
72.2699, 0.2389, 0.3239

Monochromacy



Original Color

72.3227, 0.2393, 0.3503



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.3859, 0.2740, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3227, 0.2393, 0.3503 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(73, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(73, 245, 228)  
}
```

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(73, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 245, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.3227, 0.2393, 0.3503 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(73, 245, 228) }
```

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

```
.border{ border-color:rgb(73, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(73, 245,  
228) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3227, 0.2393, 0.3503$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 245, 228) }
```

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

```
.background{ background-color: rgb(73, 245,  
228) }
```

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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