

Converting Colors

$Y_{xy}(72.0220, 0.2383, 0.3503)$

Have a look what the booklet for
Yxy(72.0220, 0.2383, 0.3503)
contains.

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Color

Yxy(72.1715, 0.2384, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	45F5E4
RGB	69, 245, 228
RGB Percent	27%, 96%, 89%
CMY	0.7289, 0.0392, 0.1059
CMYK	0.72, 0.00, 0.07, 0.04
HSL	174°, 90%, 62%
HSV	174°, 72%, 96%
XYZ	49.1170, 72.1715, 84.7392
YIQ	190.4380, -99.4390, -42.5990

Conversions

Conversions Part 2

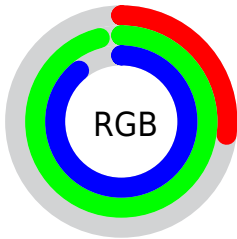
Format	Color
R _Y B	69, 161, 245
Decimal	4584932
CIE Lab	88.05, -47.26, -4.57
CIE LCh	88, 47.479, 185.521
Yxy	72.1715, 0.2384, 0.3503
Android (android.graphics.Color)	4282775012 (0xFF45F5E4)
YUV	190.4380, 18.5181, -106.5011
Hunter-Lab	84.9538, -45.4674, 0.3275

Details

The Yxy color **72.1715, 0.2384, 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 **24.3596, 0.5374, 0.3156**, and the grayscale version is **51.7163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **38.9836, 0.2316, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **71.3230, 0.2350, 0.3537**, and if you desaturate by 10%, it is **73.3971, 0.2438, 0.3470**.

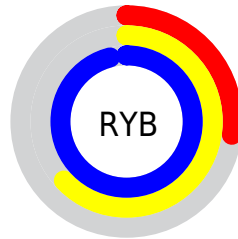
Distribution



Red (27%)

Green (96%)

Blue (89%)



Red (27%)

Yellow (63%)

Blue (96%)

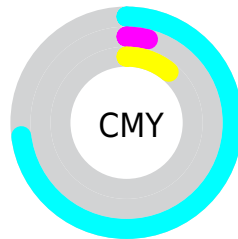


Cyan (72%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (73%)


Magenta (4%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1715, 0.2384, 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 72.1715, 0.2384, 0.3503 by changing the saturation by 10% instead.


 72.1715, 0.2384,
0.3503


 72.1715, 0.2384,
0.3503


468.1383, 0.2722,
0.3410


 53.2988, 0.2308,
0.3523


 122.3003, 0.2500,
0.3472


 38.0413, 0.2216,
0.3546


 154.3252, 0.2546,
0.3460

 26.0148, 0.2101,
0.3574


 191.5030, 0.2585,
0.3449

 16.8347, 0.1953,
0.3609

 234.2180, 0.2619,
0.3439

 10.1167, 0.1758,
0.3652

282.8546, 0.2650,
0.3431

 5.4764, 0.1492,
0.3704

337.7973, 0.2677,

 2.5294, 0.1109,

0.3423

399.4304, 0.2701,
0.3416

0.3762

0.8913, 0.0000,
0.4016

0.0000, 0.0000,
0.0000

72.1715, 0.2384,
0.3503

72.1715, 0.2384,
0.3503

71.3230, 0.2350,
0.3537

73.3971, 0.2438,
0.3470

70.7946, 0.2335,
0.3570

75.0320, 0.2510,
0.3437


70.5398, 0.2333,
0.3597

77.1142, 0.2602,
0.3405


79.6752, 0.2709,
0.3374

 82.7437, 0.2830,
0.3345

 86.3459, 0.2962,
0.3319

 90.5064, 0.3102,
0.3294

 93.2743, 0.3180,
0.3271

 93.4214, 0.3166,
0.3249

Harmonies

Analogous

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



72.1715, 0.2840, 0.4049



72.1715, 0.2384, 0.3503



72.1715, 0.2135, 0.2943

Triad

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



72.1715, 0.2384, 0.3503



72.1715, 0.2778, 0.2444



72.1715, 0.4227, 0.3910

Complementary

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



72.1715, 0.2384, 0.3503



24.3596, 0.5374, 0.3156

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.



72.1715, 0.4232, 0.3475



72.1715, 0.2384, 0.3503



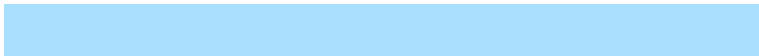
72.1715, 0.3349, 0.2674

Square

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



72.1715, 0.2384, 0.3503



72.1715, 0.2346, 0.2395



72.1715, 0.3900, 0.3038



72.1715, 0.3911, 0.4243

Rectangle

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



72.1715, 0.2384, 0.3503



72.1715, 0.2101, 0.2661



72.1715, 0.3900, 0.3038



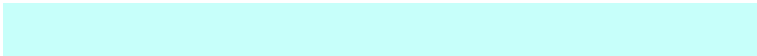
72.1715, 0.4267, 0.3771

Sweetspot

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



72.1743, 0.2384, 0.3503



90.5241, 0.2827, 0.3346



67.7470, 0.3082, 0.5547



19.1692, 0.2793, 0.3354



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.



72.1743, 0.2384, 0.3503



77.8190, 0.2341, 0.3551



38.3883, 0.2078, 0.2332



18.7286, 0.2994, 0.3313



38.0141, 0.2331, 0.3591



3.3489, 0.2319, 0.3550

Inverse Universe

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



24.3596, 0.5374, 0.3156



22.7980, 0.5965, 0.3193



38.4488, 0.4951, 0.3963



16.5085, 0.3278, 0.3267



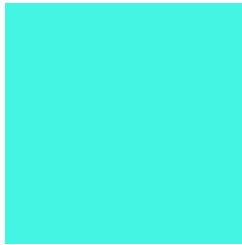
10.5015, 0.6291, 0.3239



0.9316, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 72.1715, 0.2384, 0.3503 looks on a white background.

Color Contrast Check

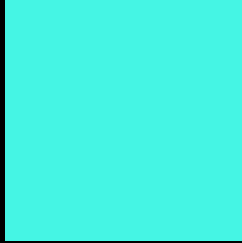
Large Text (above 18pt) WCAG AA × Fail

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 72.1715, 0.2384, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

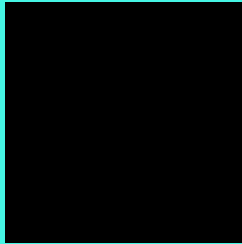
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1715, 0.2384, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 72.1715, 0.2384, 0.3503.

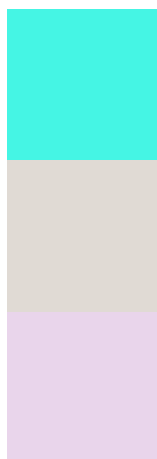


This preview shows how white text looks on a background with the Yxy color 72.1715, 0.2384, 0.3503.

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

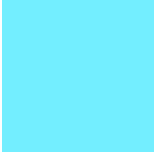
72.1715, 0.2384, 0.3503

Protanopia

70.7436, 0.3211, 0.3356

Deuteranopia

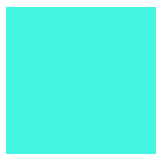
70.9103, 0.3123, 0.3059



Tritanopia

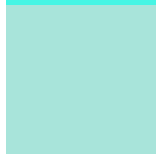
72.0139, 0.2387, 0.3087

Trichromacy



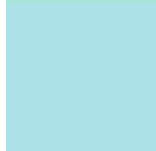
Original Color

72.1715, 0.2384, 0.3503



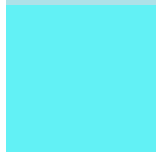
Protanomaly

68.8736, 0.2798, 0.3409



Deuteranomaly

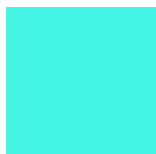
68.5609, 0.2747, 0.3207



Tritanomaly

72.0998, 0.2380, 0.3239

Monochromacy



Original Color

72.1715, 0.2384, 0.3503



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.5638, 0.2726, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1715, 0.2384, 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(69, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 245, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.1715, 0.2384, 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(69, 245, 228) }
```

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

```
.border{ border-color:rgb(69, 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(69, 245, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(69, 245,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1715, 0.2384, 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(69, 245, 228) }
```

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

```
.background{ background-color: rgb(69, 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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