

Converting Colors

$Y_{xy}(72.5522, 0.2347, 0.3543)$

Have a look what the booklet for
Yxy(72.5522, 0.2347, 0.3543)
contains.

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Color

Yxy(72.5390, 0.2347, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	29F7E3
RGB	41, 247, 227
RGB Percent	16%, 97%, 89%
CMY	0.8377, 0.0314, 0.1098
CMYK	0.83, 0.00, 0.08, 0.03
HSL	174°, 93%, 57%
HSV	174°, 83%, 97%
XYZ	48.0522, 72.5390, 84.1477
YIQ	183.1260, -116.3560, -49.8920

Conversions

Conversions Part 2

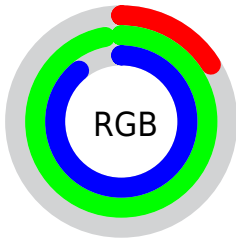
Format	Color
R _{YB}	41, 149, 247
Decimal	2750435
CIE _{Lab}	88.23, -50.94, -3.83
CIE _{LCh}	88, 51.084, 184.305
Y _{xy}	72.5390, 0.2347, 0.3543
Android (android.graphics.Color)	4280940515 (0xFF29F7E3)
YUV	183.1260, 21.6299, -124.6445
Hunter-Lab	85.1698, -48.3387, 1.0404

Details

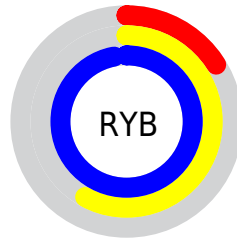
The Yxy color **72.5390, 0.2347, 0.3543** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.7261, 0.5859, 0.3181**, and the grayscale version is **47.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **39.8055, 0.2329, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **72.0470, 0.2334, 0.3576**, and if you desaturate by 10%, it is **73.3571, 0.2378, 0.3509**.

Distribution



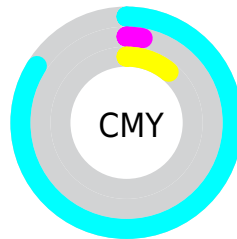
- Red (16%)
- Green (97%)
- Blue (89%)



- Red (16%)
- Yellow (58%)
- Blue (97%)



- Cyan (83%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)




- Cyan (84%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5390, 0.2347, 0.3543 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 72.5390, 0.2347, 0.3543 by changing the saturation by 10% instead.

 72.5390, 0.2347,
0.3543


 72.5390, 0.2347,
0.3543


469.4155, 0.2702,
0.3432


 53.5991, 0.2268,
0.3567


 122.8225, 0.2469,
0.3506


 38.2812, 0.2171,
0.3595


 154.9350, 0.2516,
0.3491

 26.2010, 0.2051,
0.3630


 192.2070, 0.2558,
0.3478

 16.9741, 0.1897,
0.3673

 235.0231, 0.2594,
0.3466

 10.2160, 0.1695,
0.3727

283.7676, 0.2626,
0.3456

 5.5424, 0.1419,
0.3794

338.8249, 0.2654,

 2.5689, 0.1018,

0.3447

0.3879

400.5794, 0.2679,
0.3439

■ 0.9111, 0.0000,
0.4137

■ 0.0000, 0.0000,
0.0000

■ 72.5390, 0.2347,
0.3543

■ 72.5390, 0.2347,
0.3543

■ 72.0470, 0.2334,
0.3576

■ 73.3571, 0.2378,
0.3509

■ 71.8428, 0.2333,
0.3599

■ 74.5444, 0.2429,
0.3476

■ 76.1461, 0.2499,
0.3442


■ 78.1989, 0.2587,
0.3410

 80.7352, 0.2693,
0.3379

 83.7846, 0.2812,
0.3350

 87.3744, 0.2942,
0.3323

 91.5298, 0.3081,
0.3298

 94.5911, 0.3169,
0.3275

Harmonies

Analogous

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



72.5390, 0.2839, 0.4130



72.5390, 0.2347, 0.3543



72.5390, 0.2075, 0.2935

Triad

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



72.5390, 0.2347, 0.3543



72.5390, 0.2730, 0.2384



72.5390, 0.4313, 0.3927

Complementary

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



72.5390, 0.2347, 0.3543



21.7261, 0.5859, 0.3181

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.



72.5390, 0.4307, 0.3461



72.5390, 0.2347, 0.3543



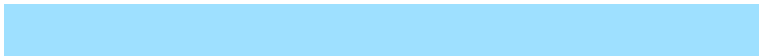
72.5390, 0.3337, 0.2620

Square

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



72.5390, 0.2347, 0.3543



72.5390, 0.2280, 0.2338



72.5390, 0.3937, 0.3001



72.5390, 0.3981, 0.4298

Rectangle

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



72.5390, 0.2347, 0.3543



72.5390, 0.2034, 0.2629



72.5390, 0.3937, 0.3001



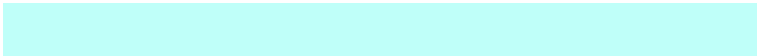
72.5390, 0.4352, 0.3777

Sweetspot

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



72.5418, 0.2347, 0.3543



89.4562, 0.2789, 0.3355



67.7010, 0.3055, 0.5803



18.8942, 0.2747, 0.3365



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.



72.5418, 0.2347, 0.3543



77.2455, 0.2333, 0.3599



34.0142, 0.1969, 0.2152



18.7284, 0.2994, 0.3313



38.0104, 0.2331, 0.3593



3.3487, 0.2320, 0.3551

Inverse Universe

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



21.7261, 0.5859, 0.3181



21.3292, 0.6315, 0.3252



34.2577, 0.5309, 0.3960



16.5087, 0.3278, 0.3267



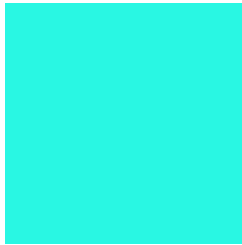
10.5019, 0.6290, 0.3239



0.9316, 0.6060, 0.3112

Previews

White Background



This preview shows how the Yxy color 72.5390, 0.2347, 0.3543 looks on a white background.

Color Contrast Check

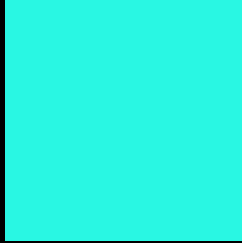
Large Text (above 18pt) WCAG AA × Fail

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 72.5390, 0.2347, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

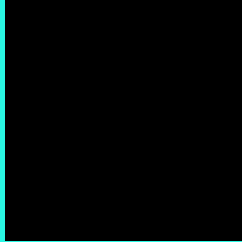
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

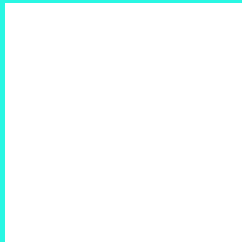
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5390, 0.2347, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 72.5390, 0.2347, 0.3543.

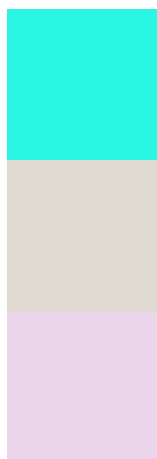


This preview shows how white text looks on a background with the Yxy color 72.5390, 0.2347, 0.3543.

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

72.5390, 0.2347, 0.3543

Protanopia

70.8535, 0.3225, 0.3367

Deuteranopia

71.0214, 0.3137, 0.3070



Tritanopia

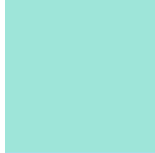
71.9465, 0.2384, 0.3087

Trichromacy



Original Color

72.5390, 0.2347, 0.3543



Protanomaly

68.3175, 0.2747, 0.3435



Deuteranomaly

67.5125, 0.2700, 0.3218



Tritanomaly

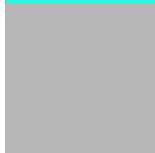
71.5779, 0.2351, 0.3239

Monochromacy



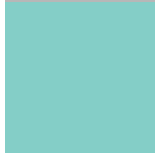
Original Color

72.5390, 0.2347, 0.3543



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.1717, 0.2666, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5390, 0.2347, 0.3543 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(41, 247, 227)` looks like.

```
.text, #text, p{  
  color:rgb(41, 247, 227)  
}
```

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(41, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 247, 227) }
```

Border

The CSS property to change the border of an element to Yxy 72.5390, 0.2347, 0.3543 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(41, 247, 227) }
```

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

```
.border{ border-color:rgb(41, 247, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 247, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(41, 247,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5390, 0.2347, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 247, 227) }
```

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

```
.background{ background-color: rgb(41, 247,  
227) }
```

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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