

Converting Colors

$Yxy(62.5946, 0.2366, 0.3589)$

Have a look what the booklet for
Yxy(62.5946, 0.2366, 0.3589)
contains.

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Color

Yxy(62.8089, 0.2369, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	2AE8D1
RGB	42, 232, 209
RGB Percent	16%, 91%, 82%
CMY	0.8364, 0.0901, 0.1805
CMYK	0.82, 0.00, 0.10, 0.09
HSL	173°, 81%, 54%
HSV	173°, 82%, 91%
XYZ	41.3088, 62.8089, 70.2546
YIQ	172.5680, -105.8570, -47.4330

Conversions

Conversions Part 2

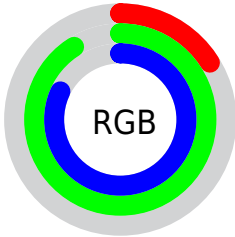
Format	Color
R _{YB}	42, 143, 232
Decimal	2812113
CIE _{Lab}	83.34, -49.46, -1.54
CIE _{LCh}	83, 49.484, 181.788
Yxy	62.8089, 0.2369, 0.3602
Android (android.graphics.Color)	4281002193 (0xFF2AE8D1)
YUV	172.5680, 17.9610, -114.5081
Hunter-Lab	79.2521, -45.6510, 2.9176

Details

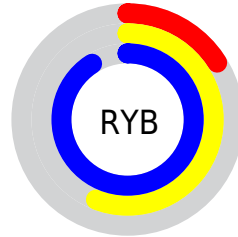
The Yxy color **62.8089, 0.2369, 0.3602** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.1726, 0.5742, 0.3141**, and the grayscale version is **41.4623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **33.0265, 0.2347, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **62.3208, 0.2356, 0.3644**, and if you desaturate by 10%, it is **63.5863, 0.2401, 0.3559**.

Distribution



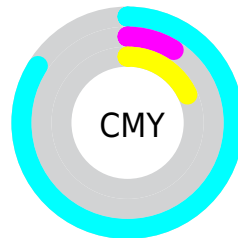
- Red (16%)
- Green (91%)
- Blue (82%)



- Red (16%)
- Yellow (56%)
- Blue (91%)



- Cyan (82%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)





- Cyan (84%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8089, 0.2369, 0.3602 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 62.8089, 0.2369, 0.3602 by changing the saturation by 10% instead.


 62.8089, 0.2369,
0.3602


 62.8089, 0.2369,
0.3602


434.8756, 0.2724,
0.3457


 45.6866, 0.2287,
0.3635

 108.8938, 0.2493,
0.3552

 31.9986, 0.2186,
0.3675


 138.6251, 0.2541,
0.3532


 21.3604, 0.2058,
0.3726


 173.3284, 0.2582,
0.3516

 13.3877, 0.1891,
0.3791

 213.3878, 0.2618,
0.3501

 7.6961, 0.1666,
0.3878

 259.1878, 0.2649,
0.3488

 3.9011, 0.1350,
0.3996

311.1129, 0.2677,

 1.6184, 0.0525,

0.3477

0.4323

369.5474, 0.2702,
0.3467

■ 0.3700, 0.0000,
0.4201

■ 0.0000, 0.0000,
0.0000

■ 62.8089, 0.2369,
0.3602

■ 62.8089, 0.2369,
0.3602

■ 62.3208, 0.2356,
0.3644


■ 63.5863, 0.2401,
0.3559


■ 62.0791, 0.2355,
0.3678


■ 64.6885, 0.2453,
0.3517


■ 66.1535, 0.2523,
0.3475

■ 68.0121, 0.2612,
0.3435

 70.2920, 0.2717,
0.3397

 73.0183, 0.2835,
0.3360

 76.2140, 0.2963,
0.3327

 79.9008, 0.3099,
0.3296

 84.0987, 0.3239,
0.3268

Harmonies

Analogous

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



62.8089, 0.2882, 0.4185



62.8089, 0.2369, 0.3602



62.8089, 0.2073, 0.2974

Triad

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



62.8089, 0.2369, 0.3602



62.8089, 0.2677, 0.2359



62.8089, 0.4345, 0.3897

Complementary

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



62.8089, 0.2369, 0.3602



19.1726, 0.5742, 0.3141

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.



62.8089, 0.4308, 0.3422



62.8089, 0.2369, 0.3602



62.8089, 0.3285, 0.2584

Square

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



62.8089, 0.2369, 0.3602



62.8089, 0.2239, 0.2330



62.8089, 0.3905, 0.2959



62.8089, 0.4032, 0.4288

Rectangle

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



62.8089, 0.2369, 0.3602



62.8089, 0.2017, 0.2651



62.8089, 0.3905, 0.2959



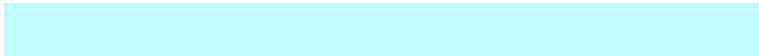
62.8089, 0.4376, 0.3742

Sweetspot

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



62.8113, 0.2369, 0.3602



89.3617, 0.2797, 0.3371



59.0840, 0.3080, 0.5760



18.8713, 0.2755, 0.3384



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.



62.8113, 0.2369, 0.3602



76.9756, 0.2355, 0.3671



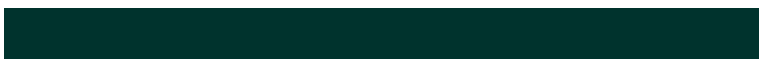
32.2375, 0.2008, 0.2274



16.3048, 0.2998, 0.3318



34.4708, 0.2353, 0.3671



2.5558, 0.2336, 0.3609

Inverse Universe

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



19.1726, 0.5742, 0.3141



21.4941, 0.6240, 0.3224



28.7994, 0.5338, 0.3898



14.3962, 0.3273, 0.3262



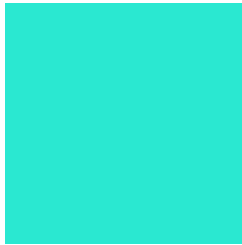
9.5807, 0.6246, 0.3215



0.7173, 0.5932, 0.3042

Previews

White Background



This preview shows how the Yxy color 62.8089, 0.2369, 0.3602 looks on a white background.

Color Contrast Check

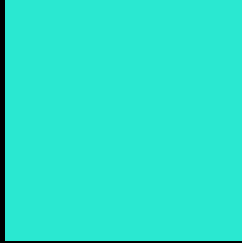
Large Text (above 18pt) WCAG AA × Fail

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 62.8089, 0.2369, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

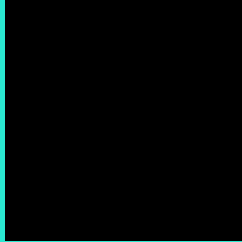
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

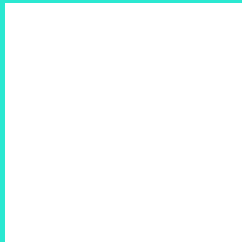
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8089, 0.2369, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 62.8089, 0.2369, 0.3602.

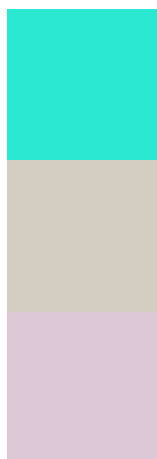


This preview shows how white text looks on a background with the Yxy color 62.8089, 0.2369, 0.3602.

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

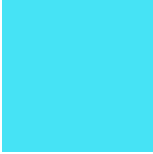
62.8089, 0.2369, 0.3602

Protanopia

61.5547, 0.3260, 0.3418

Deuteranopia

61.6386, 0.3174, 0.3112



Tritanopia

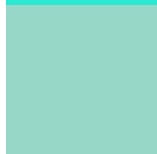
62.8328, 0.2263, 0.3059

Trichromacy



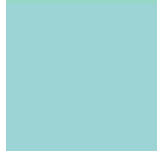
Original Color

62.8089, 0.2369, 0.3602



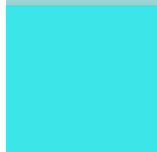
Protanomaly

59.2084, 0.2786, 0.3496



Deuteranomaly

58.9590, 0.2738, 0.3276



Tritanomaly

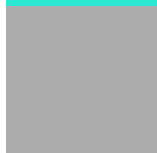
62.8255, 0.2298, 0.3248

Monochromacy



Original Color

62.8089, 0.2369, 0.3602



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.4463, 0.2686, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8089, 0.2369, 0.3602 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(42, 232, 209)` looks like.

```
.text, #text, p{  
    color:rgb(42, 232, 209)  
}
```

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(42, 232, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 232, 209) }
```

Border

The CSS property to change the border of an element to Yxy 62.8089, 0.2369, 0.3602 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(42, 232, 209) }
```

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

```
.border{ border-color:rgb(42, 232, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 232, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 232, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 232, 209);  
box-shadow:4px 4px 4px 4px rgb(42, 232,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8089, 0.2369, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 232, 209) }
```

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

```
.background{ background-color: rgb(42, 232,  
209) }
```

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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