

Converting Colors

$Y_{xy}(60.2428, 0.2336, 0.3563)$

Have a look what the booklet for
Yxy(60.2428, 0.2336, 0.3563)
contains.

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Color

Yxy(60.2114, 0.2336, 0.3565)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 16E4D0 |
| RGB | 22, 228, 208 |
| RGB Percent | 9%, 89%, 82% |
| CMY | 0.9154, 0.1058, 0.1842 |
| CMYK | 0.91, 0.00, 0.09, 0.11 |
| HSL | 174°, 83%, 49% |
| HSV | 174°, 91%, 89% |
| XYZ | 39.4541, 60.2114, 69.2304 |
| YIQ | 164.1260, -116.3560, -49.8920 |

Conversions

Conversions Part 2

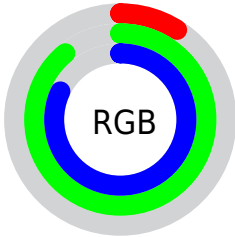
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 22, 130, 228 |
| Decimal | 1500368 |
| CIE _{Lab} | 81.95, -49.23, -3.09 |
| CIE _{LCh} | 82, 49.326, 183.597 |
| Yxy | 60.2114, 0.2336, 0.3565 |
| Android (android.graphics.Color) | 4279690448 (0xFF16E4D0) |
| YUV | 164.1260, 21.6299, -124.6445 |
| Hunter-Lab | 77.5960, -45.0338, 1.4192 |

Details

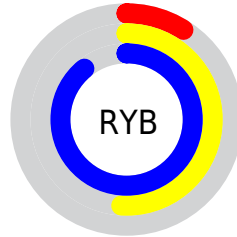
The Yxy color **60.2114, 0.2336, 0.3565** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2174, 0.6092, 0.3209**, and the grayscale version is **37.0640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **31.8381, 0.2338, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **59.9458, 0.2332, 0.3596**, and if you desaturate by 10%, it is **60.7012, 0.2354, 0.3532**.

Distribution



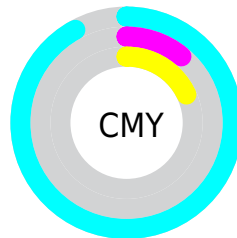
- Red (9%)
- Green (89%)
- Blue (82%)



- Red (9%)
- Yellow (51%)
- Blue (89%)



- Cyan (91%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)





- Cyan (92%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2114, 0.2336, 0.3565 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 60.2114, 0.2336, 0.3565 by changing the saturation by 10% instead.

 60.2114, 0.2336,
0.3565


 60.2114, 0.2336,
0.3565


425.3765, 0.2708,
0.3439


 43.5891, 0.2250,
0.3593


 105.1363, 0.2466,
0.3522


 30.3476, 0.2144,
0.3628


 134.2076, 0.2516,
0.3505

 20.1026, 0.2009,
0.3670


 168.1973, 0.2560,
0.3490

 12.4696, 0.1832,
0.3724

 207.4899, 0.2597,
0.3477

 7.0644, 0.1594,
0.3794

 252.4697, 0.2630,
0.3466

 3.5024, 0.1261,
0.3883

303.5212, 0.2659,

 1.3993, 0.0170,

0.3456

0.4251

361.0287, 0.2685,
0.3447

■ 0.2162, 0.0000,
0.3237

■ 0.0000, 0.0000,
0.0000

■ 60.2114, 0.2336,
0.3565

■ 60.2114, 0.2336,
0.3565

■ 59.9458, 0.2332,
0.3596

■ 60.7012, 0.2354,
0.3532

■ 61.4678, 0.2391,
0.3498

■ 62.5533, 0.2447,
0.3465

■ 63.9908, 0.2523,
0.3432

■ 65.8094, 0.2616,
0.3400

■ 68.0351, 0.2725,
0.3370

■ 70.6918, 0.2847,
0.3342

■ 73.8011, 0.2980,
0.3315

■ 77.3837, 0.3119,
0.3291

Harmonies

Analogous

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



60.2114, 0.2843, 0.4167



60.2114, 0.2336, 0.3565



60.2114, 0.2053, 0.2936

Triad

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



60.2114, 0.2336, 0.3565



60.2114, 0.2705, 0.2359



60.2114, 0.4348, 0.3930

Complementary

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



60.2114, 0.2336, 0.3565



17.2174, 0.6092, 0.3209

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.



60.2114, 0.4334, 0.3451



60.2114, 0.2336, 0.3565



60.2114, 0.3326, 0.2596

Square

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



60.2114, 0.2336, 0.3565



60.2114, 0.2250, 0.2316



60.2114, 0.3946, 0.2982



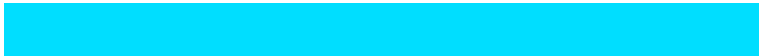
60.2114, 0.4013, 0.4316

Rectangle

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



60.2114, 0.2336, 0.3565



60.2114, 0.2007, 0.2619



60.2114, 0.3946, 0.2982



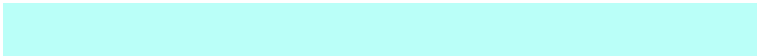
60.2114, 0.4386, 0.3774

Sweetspot

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



60.2137, 0.2336, 0.3565



88.7759, 0.2765, 0.3360



56.0459, 0.3039, 0.5904



18.7639, 0.2724, 0.3370



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.



60.2137, 0.2336, 0.3565



77.2506, 0.2333, 0.3598



26.1519, 0.1918, 0.2046



16.3111, 0.2994, 0.3313



34.6210, 0.2331, 0.3591



2.5654, 0.2317, 0.3543

Inverse Universe

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



17.2174, 0.6092, 0.3209



21.3289, 0.6315, 0.3252



26.4825, 0.5499, 0.3924



14.3905, 0.3277, 0.3268



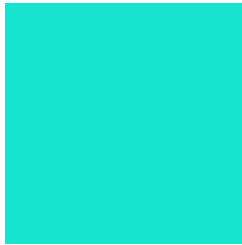
9.5656, 0.6286, 0.3237



0.7146, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 60.2114, 0.2336, 0.3565 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 60.2114, 0.2336, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

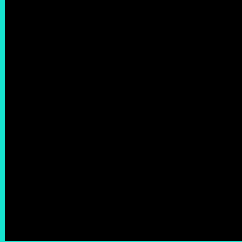
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

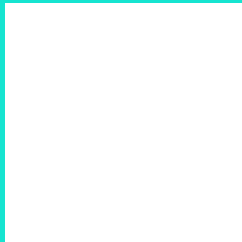
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2114, 0.2336, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 60.2114, 0.2336, 0.3565.

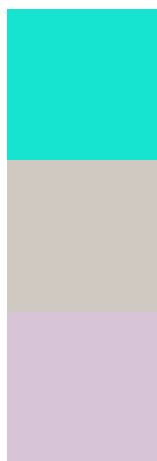


This preview shows how white text looks on a background with the Yxy color 60.2114, 0.2336, 0.3565.

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

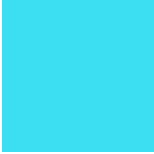
60.2114, 0.2336, 0.3565

Protanopia

59.0334, 0.3241, 0.3384

Deuteranopia

58.9851, 0.3145, 0.3075



Tritanopia

60.0560, 0.2241, 0.3055

Trichromacy



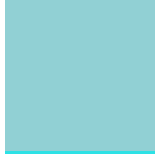
Original Color

60.2114, 0.2336, 0.3565



Protanomaly

56.2412, 0.2726, 0.3461



Deuteranomaly

55.8850, 0.2671, 0.3237



Tritanomaly

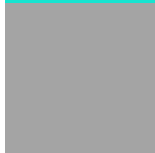
60.0655, 0.2270, 0.3234

Monochromacy



Original Color

60.2114, 0.2336, 0.3565



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

42.2807, 0.2624, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2114, 0.2336, 0.3565 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(22, 228, 208)` looks like.

```
.text, #text, p{  
  color:rgb(22, 228, 208)  
}
```

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(22, 228, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 228, 208) }
```

Border

The CSS property to change the border of an element to Yxy 60.2114, 0.2336, 0.3565 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(22, 228, 208) }
```

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

```
.border{ border-color:rgb(22, 228, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 228, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 228, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 228, 208);  
box-shadow:4px 4px 4px 4px rgb(22, 228,  
208) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 60.2114, 0.2336, 0.3565$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 228, 208) }
```

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

```
.background{ background-color: rgb(22, 228,  
208) }
```

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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