

Converting Colors

$Yxy(60.9338, 0.2336, 0.3563)$

Have a look what the booklet for
Yxy(60.9338, 0.2336, 0.3563)
contains.

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Color

Yxy(60.8126, 0.2336, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	16E5D1
RGB	22, 229, 209
RGB Percent	9%, 90%, 82%
CMY	0.9135, 0.1019, 0.1804
CMYK	0.90, 0.00, 0.09, 0.10
HSL	174°, 82%, 49%
HSV	174°, 90%, 90%
XYZ	39.8592, 60.8126, 69.9584
YIQ	164.8270, -116.9520, -50.1040

Conversions

Conversions Part 2

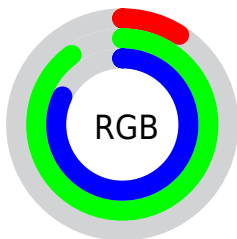
Format	Color
RYB	22, 131, 229
Decimal	1500625
CIELab	82.28, -49.36, -3.14
CIElCh	82, 49.457, 183.634
Yxy	60.8126, 0.2336, 0.3564
Android (android.graphics.Color)	4279690705 (0xFF16E5D1)
YUV	164.8270, 21.7773, -125.2593
Hunter-Lab	77.9824, -45.2324, 1.3984

Details

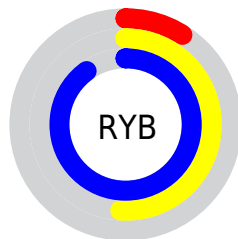
The Yxy color **60.8126, 0.2336, 0.3564** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.4021, 0.6088, 0.3208**, and the grayscale version is **37.4846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **32.2537, 0.2337, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **60.5388, 0.2332, 0.3596**, and if you desaturate by 10%, it is **61.3110, 0.2355, 0.3531**.

Distribution



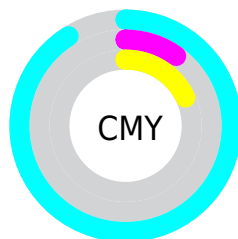
- Red (9%)
- Green (90%)
- Blue (82%)



- Red (9%)
- Yellow (51%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (91%)
- Magenta (10%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8126, 0.2336, 0.3564 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 60.8126, 0.2336, 0.3564 by changing the saturation by 10% instead.


 60.8126, 0.2336,
0.3564

 60.8126, 0.2336,
0.3564


 427.5865, 0.2708,
0.3439

 44.0739, 0.2250,
0.3592


 106.0075, 0.2466,
0.3521


 30.7286, 0.2144,
0.3626


 135.2326, 0.2516,
0.3504


 20.3923, 0.2010,
0.3668


 169.3887, 0.2559,
0.3490

 12.6805, 0.1835,
0.3722

 208.8600, 0.2597,
0.3477

 7.2089, 0.1599,
0.3790

 254.0311, 0.2629,
0.3466

 3.5931, 0.1269,
0.3878

 305.2863, 0.2659,

 1.4487, 0.0253,

0.3456

0.4215

363.0099, 0.2684,
0.3447

■ 0.2522, 0.0000,
0.3381

■ 0.0000, 0.0000,
0.0000

■ 60.8126, 0.2336,
0.3564

■ 60.8126, 0.2336,
0.3564


■ 60.5388, 0.2332,
0.3596

■ 61.3110, 0.2355,
0.3531


■ 62.0899, 0.2392,
0.3497

■ 63.1914, 0.2448,
0.3464


■ 64.6491, 0.2524,
0.3431

 66.4922, 0.2617,
0.3400

 68.7471, 0.2727,
0.3370

 71.4378, 0.2849,
0.3341

 74.5862, 0.2982,
0.3315

 78.2131, 0.3122,
0.3291

Harmonies

Analogous

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



60.8126, 0.2843, 0.4166



60.8126, 0.2336, 0.3564



60.8126, 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.



60.8126, 0.2336, 0.3564



60.8126, 0.2706, 0.2359



60.8126, 0.4347, 0.3930

Complementary

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



60.8126, 0.2336, 0.3564



17.4021, 0.6088, 0.3208

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.



60.8126, 0.4334, 0.3452



60.8126, 0.2336, 0.3564



60.8126, 0.3327, 0.2597

Square

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



60.8126, 0.2336, 0.3564



60.8126, 0.2251, 0.2317



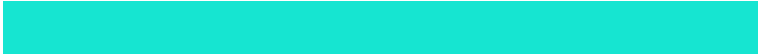
60.8126, 0.3946, 0.2983



60.8126, 0.4012, 0.4316

Rectangle

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



60.8126, 0.2336, 0.3564



60.8126, 0.2008, 0.2619



60.8126, 0.3946, 0.2983



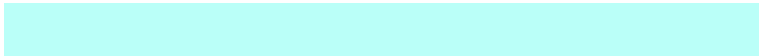
60.8126, 0.4386, 0.3775

Sweetspot

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



60.8149, 0.2336, 0.3564



88.7767, 0.2765, 0.3360



56.6066, 0.3039, 0.5902



18.7641, 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.



60.8149, 0.2336, 0.3564



77.2531, 0.2333, 0.3598



26.4556, 0.1919, 0.2048



16.3111, 0.2994, 0.3313



34.6221, 0.2331, 0.3590



2.5655, 0.2317, 0.3542

Inverse Universe

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



17.4021, 0.6088, 0.3208



21.3287, 0.6315, 0.3253



26.7863, 0.5495, 0.3926



14.3905, 0.3277, 0.3268



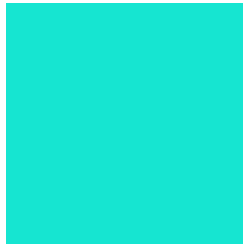
9.5655, 0.6287, 0.3237



0.7146, 0.6019, 0.3090

Previews

White Background



This preview shows how the Yxy color 60.8126, 0.2336, 0.3564 looks on a white background.

Color Contrast Check

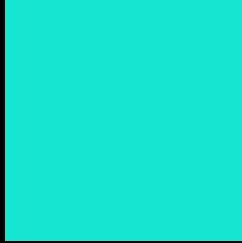
Large Text (above 18pt) WCAG AA × Fail

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 60.8126, 0.2336, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

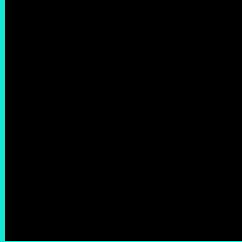
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

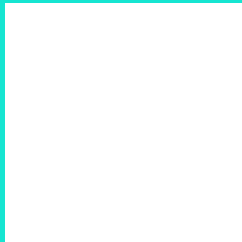
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.8126, 0.2336, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 60.8126, 0.2336, 0.3564.

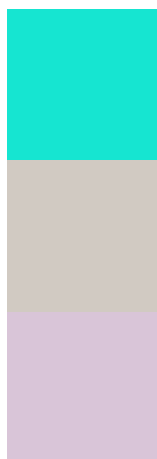


This preview shows how white text looks on a background with the Yxy color 60.8126, 0.2336, 0.3564.

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

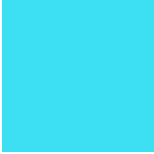
60.8126, 0.2336, 0.3564

Protanopia

59.6914, 0.3240, 0.3384

Deuteranopia

59.6421, 0.3145, 0.3076



Tritanopia

60.6828, 0.2243, 0.3056

Trichromacy



Original Color

60.8126, 0.2336, 0.3564



Protanomaly

56.8732, 0.2728, 0.3460



Deuteranomaly

56.5160, 0.2673, 0.3237



Tritanomaly

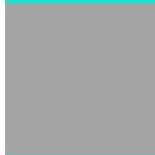
60.6867, 0.2271, 0.3234

Monochromacy



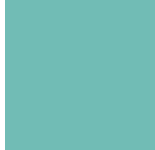
Original Color

60.8126, 0.2336, 0.3564



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.8133, 0.2626, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8126, 0.2336, 0.3564 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, 229, 209)` looks like.

```
.text, #text, p{  
    color:rgb(22, 229, 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(22, 229, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 229, 209) }
```

Border

The CSS property to change the border of an element to Yxy 60.8126, 0.2336, 0.3564 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, 229, 209) }
```

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

```
.border{ border-color:rgb(22, 229, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 229, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 229, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 229, 209);  
box-shadow:4px 4px 4px 4px rgb(22, 229,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8126, 0.2336, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 229, 209) }
```

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

```
.background{ background-color: rgb(22, 229,  
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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