

Converting Colors

$Yxy(62.4466, 0.2332, 0.3595)$

Have a look what the booklet for
Yxy(62.4466, 0.2332, 0.3595)
contains.

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Color

Yxy(62.3664, 0.2331, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	01E8D2
RGB	1, 232, 210
RGB Percent	0%, 91%, 82%
CMY	0.9966, 0.0902, 0.1766
CMYK	1.00, 0.00, 0.09, 0.09
HSL	174°, 99%, 46%
HSV	174°, 100%, 91%
XYZ	40.4947, 62.3664, 70.8614
YIQ	160.4230, -130.6140, -55.8140

Conversions

Conversions Part 2

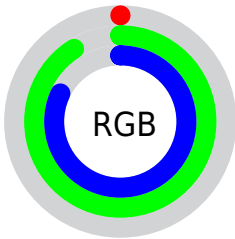
Format	Color
RYB	1, 122, 232
Decimal	125138
CIELab	83.11, -50.96, -2.44
CIElCh	83, 51.015, 182.745
Yxy	62.3664, 0.2331, 0.3590
Android (android.graphics.Color)	4278315218 (0xFF01E8D2)
YUV	160.4230, 24.4415, -139.8140
Hunter-Lab	78.9724, -46.6721, 2.0801

Details

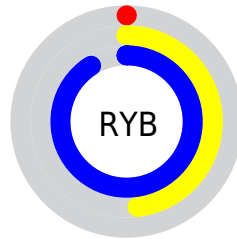
The Yxy color **62.3664, 0.2331, 0.3590** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.2352, 0.6304, 0.3249**, and the grayscale version is **35.2664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **33.0602, 0.2341, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **62.3591, 0.2331, 0.3591**, and if you desaturate by 10%, it is **62.6690, 0.2336, 0.3558**.

Distribution



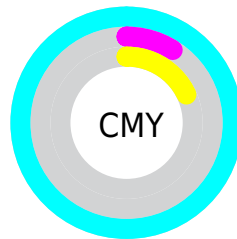
- Red (0%)
- Green (91%)
- Blue (82%)



- Red (0%)
- Yellow (48%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3664, 0.2331, 0.3590 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 62.3664, 0.2331, 0.3590 by changing the saturation by 10% instead.


 62.3664, 0.2331,
0.3590

 62.3664, 0.2331,
0.3590


433.2663, 0.2704,
0.3452

 45.3288, 0.2245,
0.3621


 108.2549, 0.2461,
0.3543


 31.7165, 0.2140,
0.3659


 137.8746, 0.2511,
0.3524

 21.1451, 0.2006,
0.3706


 172.4572, 0.2554,
0.3508

 13.2301, 0.1832,
0.3766

 212.3870, 0.2592,
0.3494

 7.5872, 0.1599,
0.3843

 258.0484, 0.2625,
0.3482

 3.8319, 0.1274,
0.3946

309.8258, 0.2654,

 1.5800, 0.0366,

0.3471

0.4271

368.1037, 0.2680,
0.3461

■ 0.3441, 0.0000,
0.3868

■ 0.0000, 0.0000,
0.0000

■ 62.3664, 0.2331,
0.3590

■ 62.3664, 0.2331,
0.3590

■ 62.3591, 0.2331,
0.3591

■ 62.6690, 0.2336,
0.3558

■ 63.1971, 0.2355,
0.3525

■ 64.0197, 0.2394,
0.3492

■ 65.1777, 0.2452,
0.3459

■ 66.7051, 0.2529,
0.3427

■ 68.6321, 0.2624,
0.3396

■ 70.9855, 0.2735,
0.3366

■ 73.7899, 0.2858,
0.3339

■ 77.0681, 0.2992,
0.3313

Harmonies

Analogous

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



62.3664, 0.2853, 0.4203



62.3664, 0.2331, 0.3590



62.3664, 0.2036, 0.2943

Triad

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



62.3664, 0.2331, 0.3590



62.3664, 0.2680, 0.2337



62.3664, 0.4379, 0.3927

Complementary

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



62.3664, 0.2331, 0.3590



17.2352, 0.6304, 0.3249

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.



62.3664, 0.4355, 0.3438



62.3664, 0.2331, 0.3590



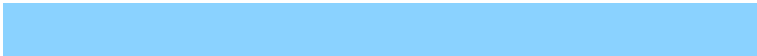
62.3664, 0.3311, 0.2574

Square

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



62.3664, 0.2331, 0.3590



62.3664, 0.2223, 0.2299



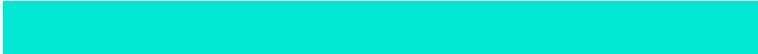
62.3664, 0.3948, 0.2962



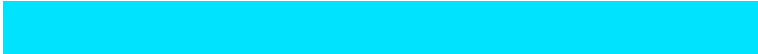
62.3664, 0.4043, 0.4328

Rectangle

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



62.3664, 0.2331, 0.3590



62.3664, 0.1985, 0.2616



62.3664, 0.3948, 0.2962



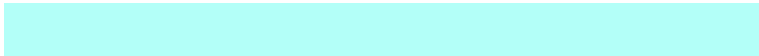
62.3664, 0.4415, 0.3767

Sweetspot

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



62.3688, 0.2331, 0.3590



87.8037, 0.2728, 0.3368



57.9069, 0.3020, 0.5982



18.5174, 0.2680, 0.3380



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.



62.3688, 0.2331, 0.3590



77.2731, 0.2331, 0.3593



24.4540, 0.1864, 0.1908



16.3115, 0.2994, 0.3312



34.6309, 0.2329, 0.3586



2.5660, 0.2316, 0.3538

Inverse Universe

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



17.2352, 0.6304, 0.3249



21.3272, 0.6317, 0.3254



25.0410, 0.5713, 0.3843



14.3902, 0.3278, 0.3268



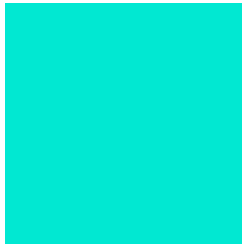
9.5647, 0.6289, 0.3238



0.7145, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 62.3664, 0.2331, 0.3590 looks on a white background.

Color Contrast Check

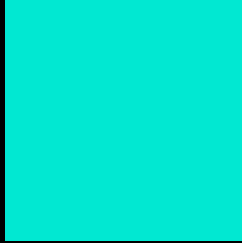
Large Text (above 18pt) WCAG AA × Fail

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 62.3664, 0.2331, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

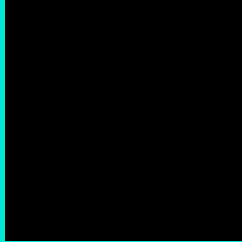
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

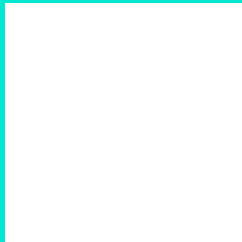
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.3664, 0.2331, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 62.3664, 0.2331, 0.3590.

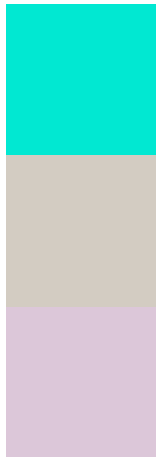


This preview shows how white text looks on a background with the Yxy color 62.3664, 0.2331, 0.3590.

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

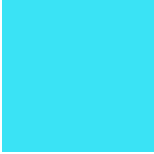
62.3728, 0.2331, 0.3590

Protanopia

60.9297, 0.3254, 0.3407

Deuteranopia

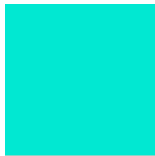
61.0722, 0.3160, 0.3089



Tritanopia

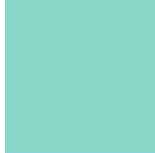
62.4303, 0.2238, 0.3058

Trichromacy



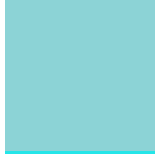
Original Color

62.3728, 0.2331, 0.3590



Protanomaly

57.4142, 0.2691, 0.3474



Deuteranomaly

57.0190, 0.2636, 0.3250



Tritanomaly

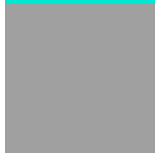
62.2581, 0.2261, 0.3248

Monochromacy



Original Color

62.3728, 0.2331, 0.3590



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.1569, 0.2575, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3664, 0.2331, 0.3590 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(1, 232, 210)` looks like.

```
.text, #text, p{  
    color:rgb(1, 232, 210)  
}
```

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(1, 232, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 232, 210) }
```

Border

The CSS property to change the border of an element to Yxy 62.3664, 0.2331, 0.3590 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(1, 232, 210) }
```

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

```
.border{ border-color:rgb(1, 232, 210) }
```

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

Here you see how a box with a 4 pixel rgb(1, 232, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 232, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 232, 210);  
box-shadow:4px 4px 4px 4px rgb(1, 232,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3664, 0.2331, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 232, 210) }
```

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

```
.background{ background-color: rgb(1, 232,  
210) }
```

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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