

Converting Colors

$Y_{xy}(53.3162, 0.1589, 0.3496)$

Have a look what the booklet for
Yxy(53.3162, 0.1589, 0.3496)
contains.

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Color

Yxy(62.1616, 0.2299, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	00E7D9
RGB	0, 231, 217
RGB Percent	0%, 91%, 85%
CMY	1.0000, 0.0941, 0.1490
CMYK	1.00, 0.00, 0.06, 0.09
HSL	176°, 100%, 45%
HSV	176°, 100%, 91%
XYZ	41.0896, 62.1616, 75.4768
YIQ	160.3350, -133.1820, -53.3260

Conversions

Conversions Part 2

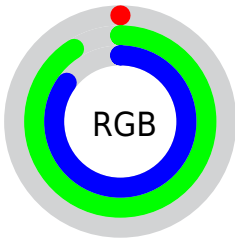
Format	Color
RYB	0, 119, 231
Decimal	59353
CIELab	83.00, -48.65, -6.31
CIELCh	83, 49.063, 187.395
Yxy	62.1616, 0.2299, 0.3478
Android (android.graphics.Color)	4278249433 (0xFF00E7D9)
YUV	160.3350, 27.9358, -140.6138
Hunter-Lab	78.8426, -44.9477, -1.5691

Details

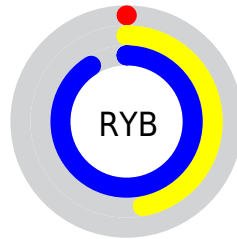
The Yxy color **62.1616, 0.2299, 0.3478** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.0235, 0.6351, 0.3272**, and the grayscale version is **35.2356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.8807, 0.2306, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **62.1709, 0.2300, 0.3478**, and if you desaturate by 10%, it is **62.4275, 0.2307, 0.3458**.

Distribution



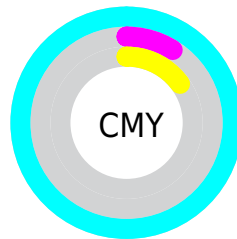
- Red (0%)
- Green (91%)
- Blue (85%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1616, 0.2299, 0.3478 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 62.1616, 0.2299, 0.3478 by changing the saturation by 10% instead.


 62.1616, 0.2299,
0.3478

 62.1616, 0.2299,
0.3478


432.5203, 0.2684,
0.3397

 45.1633, 0.2211,
0.3495


 107.9591, 0.2433,
0.3451

 31.5861, 0.2103,
0.3514


 137.5270, 0.2485,
0.3441

 21.0455, 0.1967,
0.3536

 172.0536, 0.2530,
0.3431

 13.1573, 0.1791,
0.3562

 211.9232, 0.2569,
0.3423

 7.5369, 0.1556,
0.3591

 257.5203, 0.2603,
0.3415

 3.8001, 0.1233,
0.3615

309.2293, 0.2633,

 1.5624, 0.0432,

0.3409

0.3744

367.4345, 0.2660,
0.3403

■ 0.3320, 0.0000,
0.2925

■ 0.0000, 0.0000,
0.0000

■ 62.1616, 0.2299,
0.3478

■ 62.1616, 0.2299,
0.3478

■ 62.1709, 0.2300,
0.3478

■ 62.4275, 0.2307,
0.3458

■ 62.9036, 0.2329,
0.3438

■ 63.6689, 0.2369,
0.3417

■ 64.7640, 0.2428,
0.3397

■ 66.2228, 0.2507,
0.3377

■ 68.0753, 0.2604,
0.3357

■ 70.3480, 0.2718,
0.3339

■ 73.0655, 0.2844,
0.3321

■ 76.2503, 0.2982,
0.3305

Harmonies

Analogous

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



62.1616, 0.2776, 0.4090



62.1616, 0.2299, 0.3478



62.1616, 0.2051, 0.2876

Triad

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



62.1616, 0.2299, 0.3478



62.1616, 0.2783, 0.2391



62.1616, 0.4305, 0.3978

Complementary

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



62.1616, 0.2299, 0.3478



17.0235, 0.6351, 0.3272

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.



62.1616, 0.4338, 0.3511



62.1616, 0.2299, 0.3478



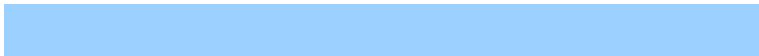
62.1616, 0.3405, 0.2647

Square

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



62.1616, 0.2299, 0.3478



62.1616, 0.2308, 0.2323



62.1616, 0.3998, 0.3043



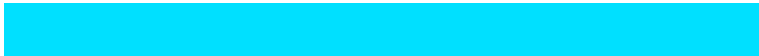
62.1616, 0.3940, 0.4335

Rectangle

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



62.1616, 0.2299, 0.3478



62.1616, 0.2027, 0.2583



62.1616, 0.3998, 0.3043



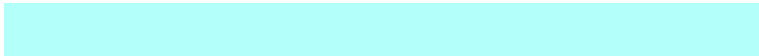
62.1616, 0.4358, 0.3828

Sweetspot

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



62.1709, 0.2300, 0.3478



87.9689, 0.2716, 0.3339



57.2661, 0.3011, 0.5991



18.5576, 0.2666, 0.3347



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.



62.1709, 0.2300, 0.3478



77.7832, 0.2300, 0.3479



21.9788, 0.1829, 0.1784



16.3205, 0.2990, 0.3304



34.8550, 0.2299, 0.3475



2.5803, 0.2290, 0.3445

Inverse Universe

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



17.0235, 0.6351, 0.3272



21.2959, 0.6356, 0.3275



26.1266, 0.5625, 0.3916



14.3821, 0.3283, 0.3276



9.5480, 0.6334, 0.3263



0.7106, 0.6154, 0.3164

Previews

White Background



This preview shows how the Yxy color 62.1616, 0.2299, 0.3478 looks on a white background.

Color Contrast Check

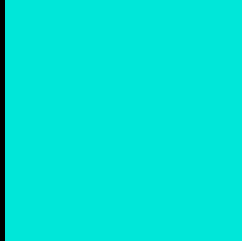
Large Text (above 18pt) WCAG AA × Fail

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 62.1616, 0.2299, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

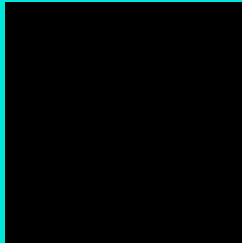
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1616, 0.2299, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 62.1616, 0.2299, 0.3478.

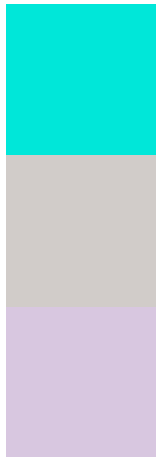


This preview shows how white text looks on a background with the Yxy color 62.1616, 0.2299, 0.3478.

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

62.1616, 0.2299, 0.3478

Protanopia

60.9581, 0.3187, 0.3325

Deuteranopia

60.8276, 0.3079, 0.3011



Tritanopia

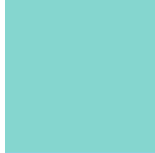
62.2876, 0.2229, 0.3057

Trichromacy



Original Color

62.1616, 0.2299, 0.3478



Protanomaly

57.5847, 0.2641, 0.3381



Deuteranomaly

57.1274, 0.2581, 0.3160



Tritanomaly

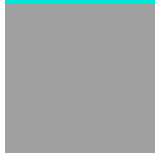
61.8250, 0.2243, 0.3196

Monochromacy



Original Color

62.1616, 0.2299, 0.3478



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.2788, 0.2558, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1616, 0.2299, 0.3478 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(0, 231, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 217)  
}
```

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(0, 231, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 217) }
```

Border

The CSS property to change the border of an element to Yxy 62.1616, 0.2299, 0.3478 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(0, 231, 217) }
```

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

```
.border{ border-color:rgb(0, 231, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 231, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1616, 0.2299, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 217) }
```

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

```
.background{ background-color: rgb(0, 231,  
217) }
```

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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