

# Converting Colors

$Yxy(61.1842, 0.2305, 0.3497)$

Have a look what the booklet for  
Yxy(61.1842, 0.2305, 0.3497)  
contains.

<b>Yxy(61.4551, 0.2308, 0.3507)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.4551, 0.2308, 0.3507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01E6D6
RGB	1, 230, 214
RGB Percent	0%, 90%, 84%
CMY	0.9961, 0.0980, 0.1609
CMYK	1.00, 0.00, 0.07, 0.10
HSL	176°, 99%, 45%
HSV	176°, 100%, 90%
XYZ	40.4444, 61.4551, 73.3361
YIQ	159.7050, -131.3480, -53.5240

# Conversions

## Conversions Part 2

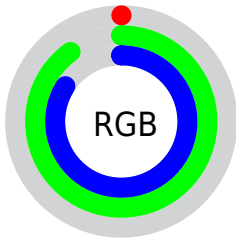
Format	Color
<b>RYB</b>	1, 120, 230
Decimal	124630
CIELab	82.62, -49.02, -5.27
CIELCh	83, 49.304, 186.141
Yxy	61.4551, 0.2308, 0.3507
Android (android.graphics.Color)	4278314710 (0xFF01E6D6)
YUV	159.7050, 26.7674, -139.1843
Hunter-Lab	78.3933, -45.0973, -0.5898

# Details

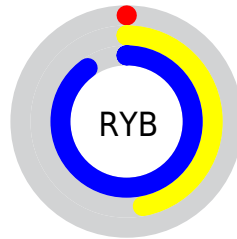
The Yxy color **61.4551, 0.2308, 0.3507** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.8858, 0.6334, 0.3266**, and the grayscale version is **34.9290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.3903, 0.2316, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **61.4476, 0.2308, 0.3508**, and if you desaturate by 10%, it is **61.7277, 0.2315, 0.3484**.

# Distribution



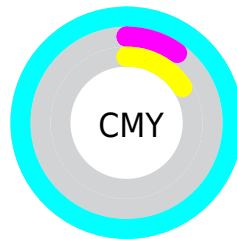
- Red (0%)
- Green (90%)
- Blue (84%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4551, 0.2308, 0.3507 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 61.4551, 0.2308, 0.3507 by changing the saturation by 10% instead.




 61.4551, 0.2308,  
0.3507


 61.4551, 0.2308,  
0.3507


429.9407, 0.2691,  
0.3411

 44.5926, 0.2220,  
0.3527


 106.9376, 0.2441,  
0.3475


 31.1366, 0.2112,  
0.3551


 136.3264, 0.2493,  
0.3462


 20.7029, 0.1976,  
0.3580


 170.6593, 0.2537,  
0.3451

 12.9070, 0.1799,  
0.3615

 210.3208, 0.2576,  
0.3441

 7.3645, 0.1563,  
0.3656

 255.6953, 0.2610,  
0.3432

 3.6911, 0.1235,  
0.3700

307.1672, 0.2640,

 1.5023, 0.0341,

0.3425

0.3900

365.1209, 0.2667,  
0.3418

■ 0.2904, 0.0000,  
0.2977

■ 0.0000, 0.0000,  
0.0000

■ 61.4551, 0.2308,  
0.3507

■ 61.4551, 0.2308,  
0.3507

■ 61.4476, 0.2308,  
0.3508

■ 61.7277, 0.2315,  
0.3484

■ 62.2211, 0.2337,  
0.3460

■ 63.0029, 0.2377,  
0.3436


■ 64.1129, 0.2437,  
0.3413

 65.5844, 0.2516,  
0.3390

 67.4469, 0.2613,  
0.3367

 69.7267, 0.2726,  
0.3345

 72.4478, 0.2853,  
0.3325

 75.6325, 0.2989,  
0.3306

# Harmonies

## Analogous

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



61.4551, 0.2797, 0.4119



61.4551, 0.2308, 0.3507



61.4551, 0.2048, 0.2893

# Triad

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



61.4551, 0.2308, 0.3507



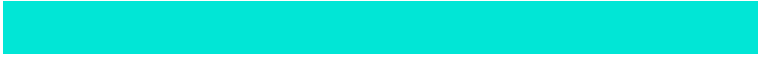
61.4551, 0.2756, 0.2378



61.4551, 0.4323, 0.3964

# Complementary

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



61.4551, 0.2308, 0.3507



16.8858, 0.6334, 0.3266

# 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.



61.4551, 0.4342, 0.3492



61.4551, 0.2308, 0.3507



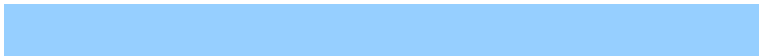
61.4551, 0.3380, 0.2628

# Square

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



61.4551, 0.2308, 0.3507



61.4551, 0.2286, 0.2318



61.4551, 0.3985, 0.3022



61.4551, 0.3967, 0.4333

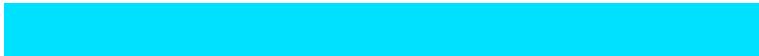


# Rectangle

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



61.4551, 0.2308, 0.3507



61.4551, 0.2016, 0.2592



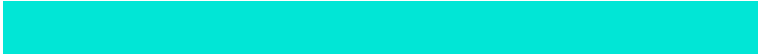
61.4551, 0.3985, 0.3022



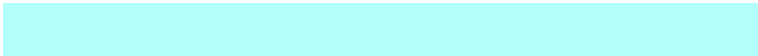
61.4551, 0.4372, 0.3812

# Sweetspot

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



61.4574, 0.2308, 0.3507



87.9243, 0.2719, 0.3347



56.7485, 0.3016, 0.5985



18.5467, 0.2670, 0.3356



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.



61.4574, 0.2308, 0.3507



77.6437, 0.2308, 0.3509



22.9308, 0.1848, 0.1850



16.3181, 0.2991, 0.3306



34.7937, 0.2307, 0.3504



2.5764, 0.2297, 0.3470



# Inverse Universe

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



16.8858, 0.6334, 0.3266



21.3032, 0.6347, 0.3270



25.2668, 0.5663, 0.3882



14.3843, 0.3282, 0.3274



9.5520, 0.6323, 0.3257

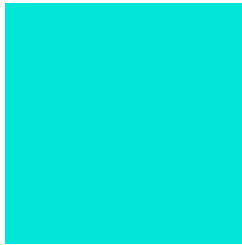


0.7116, 0.6119, 0.3144



# Previews

## White Background



This preview shows how the Yxy color 61.4551, 0.2308, 0.3507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

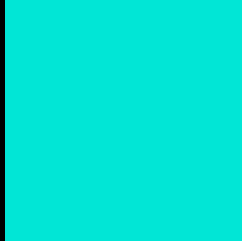
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.4551, 0.2308, 0.3507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

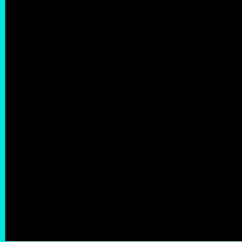
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.4551, 0.2308, 0.3507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.4551, 0.2308, 0.3507.

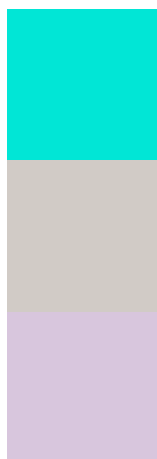


This preview shows how white text looks on a background with the Yxy color 61.4551, 0.2308, 0.3507.

# 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

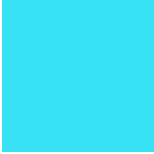
61.4551, 0.2308, 0.3507

### Protanopia

60.3444, 0.3210, 0.3349

### Deuteranopia

60.2076, 0.3101, 0.3032



## Tritanopia

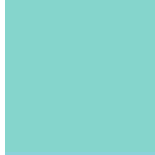
61.7086, 0.2231, 0.3057

# Trichromacy



## Original Color

61.4551, 0.2308, 0.3507



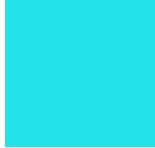
## Protanomaly

56.9347, 0.2655, 0.3408



## Deuteranomaly

56.5584, 0.2601, 0.3185



## Tritanomaly

61.1787, 0.2248, 0.3208

# Monochromacy



## Original Color

61.4551, 0.2308, 0.3507



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.8180, 0.2561, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.4551, 0.2308, 0.3507 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, 230, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 230, 214)  
}
```

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, 230, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 230, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4551, 0.2308, 0.3507 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, 230, 214) }
```

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

```
.border{ border-color:rgb(1, 230, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 230, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 230, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 230, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 230,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4551, 0.2308, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 230, 214) }
```

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

```
.background{ background-color: rgb(1, 230,  
214) }
```

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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