

# Converting Colors

$Yxy(62.0423, 0.2362, 0.3562)$

Have a look what the booklet for  
Yxy(62.0423, 0.2362, 0.3562)  
contains.

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# Color

**Yxy(61.7822, 0.2361, 0.3561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CE6D2
RGB	44, 230, 210
RGB Percent	17%, 90%, 82%
CMY	0.8284, 0.0980, 0.1764
CMYK	0.81, 0.00, 0.09, 0.10
HSL	174°, 79%, 54%
HSV	174°, 81%, 90%
XYZ	40.9626, 61.7822, 70.7520
YIQ	172.1060, -104.4360, -45.6520

# Conversions

## Conversions Part 2

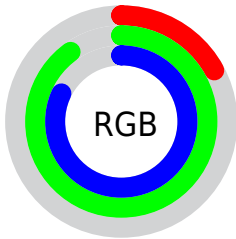
Format	Color
<a href="#">RYB</a>	<a href="#">44, 142, 230</a>
Decimal	<a href="#">2942674</a>
CIELab	<a href="#">82.80, -48.17, -2.89</a>
CIELCh	<a href="#">83, 48.261, 183.432</a>
Yxy	<a href="#">61.7822, 0.2361, 0.3561</a>
Android (android.graphics.Color)	<a href="#">4281132754</a> ( <a href="#">0xFF2CE6D2</a> )
YUV	<a href="#">172.1060, 18.6817, -112.3490</a>
Hunter-Lab	<a href="#">78.6017, -44.5291, 1.6522</a>

# Details

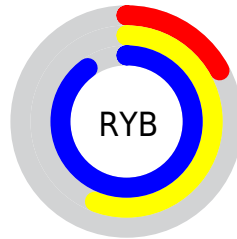
The Yxy color **61.7822, 0.2361, 0.3561** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.9766, 0.5733, 0.3158**, and the grayscale version is **41.2224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **32.6724, 0.2337, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **61.2889, 0.2344, 0.3598**, and if you desaturate by 10%, it is **62.5634, 0.2396, 0.3524**.

# Distribution



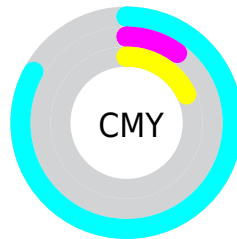
- Red (17%)
- Green (90%)
- Blue (82%)



- Red (17%)
- Yellow (56%)
- Blue (90%)



- Cyan (81%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)




- Cyan (83%)
- Magenta (10%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7822, 0.2361, 0.3561 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 61.7822, 0.2361, 0.3561 by changing the saturation by 10% instead.





 61.7822, 0.2361,  
0.3561

 61.7822, 0.2361,  
0.3561

431.1362, 0.2720,  
0.3437

 44.8567, 0.2278,  
0.3589

 107.4107, 0.2486,  
0.3518

 31.3446, 0.2176,  
0.3623


 136.8825, 0.2535,  
0.3502


 20.8614, 0.2046,  
0.3665


 171.3052, 0.2577,  
0.3487

 13.0227, 0.1877,  
0.3718

 211.0632, 0.2613,  
0.3475

 7.4442, 0.1650,  
0.3787

 256.5409, 0.2645,  
0.3464

 3.7414, 0.1330,  
0.3877

308.1227, 0.2673,

 1.5300, 0.0464,

0.3454

0.4164

366.1930, 0.2698,  
0.3445

■ 0.3097, 0.0000,  
0.3648

■ 0.0000, 0.0000,  
0.0000

■ 61.7822, 0.2361,  
0.3561

■ 61.7822, 0.2361,  
0.3561

■ 61.2889, 0.2344,  
0.3598


■ 62.5634, 0.2396,  
0.3524


■ 61.0234, 0.2342,  
0.3631


■ 63.6664, 0.2451,  
0.3486

■ 65.1277, 0.2525,  
0.3450


■ 66.9772, 0.2616,  
0.3414

 69.2415, 0.2724,  
0.3381

 71.9451, 0.2844,  
0.3349

 75.1104, 0.2975,  
0.3319

 78.7582, 0.3113,  
0.3292

 82.9083, 0.3256,  
0.3268

# Harmonies

## Analogous

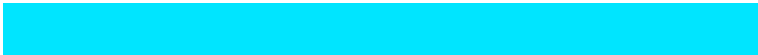
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.7822, 0.2856, 0.4141



61.7822, 0.2361, 0.3561



61.7822, 0.2082, 0.2952

# Triad

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



61.7822, 0.2361, 0.3561



61.7822, 0.2715, 0.2382



61.7822, 0.4314, 0.3913

# Complementary

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



61.7822, 0.2361, 0.3561



18.9766, 0.5733, 0.3158

# 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.



61.7822, 0.4297, 0.3447



61.7822, 0.2361, 0.3561



61.7822, 0.3318, 0.2613

# Square

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



61.7822, 0.2361, 0.3561



61.7822, 0.2272, 0.2343



61.7822, 0.3919, 0.2989



61.7822, 0.3992, 0.4286

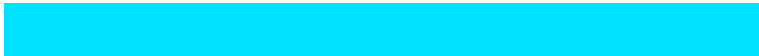


# Rectangle

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



61.7822, 0.2361, 0.3561



61.7822, 0.2036, 0.2642



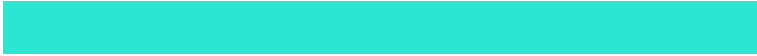
61.7822, 0.3919, 0.2989



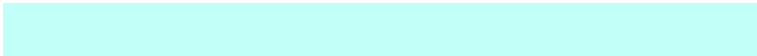
61.7822, 0.4350, 0.3762

# Sweetspot

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



61.7846, 0.2361, 0.3561



89.7670, 0.2805, 0.3359



57.9210, 0.3072, 0.5747



18.9517, 0.2762, 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.



61.7846, 0.2361, 0.3561



77.1959, 0.2342, 0.3622



30.9096, 0.2004, 0.2241



16.3083, 0.2996, 0.3315



34.5552, 0.2340, 0.3625



2.5612, 0.2325, 0.3571



# Inverse Universe

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



18.9766, 0.5733, 0.3158



21.5427, 0.6244, 0.3232



29.3036, 0.5267, 0.3934



14.3930, 0.3276, 0.3265



9.5718, 0.6270, 0.3228

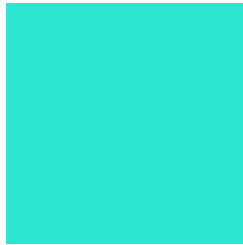


0.7158, 0.5981, 0.3068



# Previews

## White Background



This preview shows how the Yxy color 61.7822, 0.2361, 0.3561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

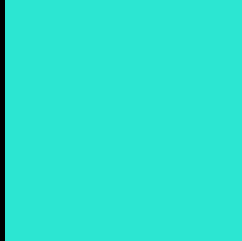
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7822, 0.2361, 0.3561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

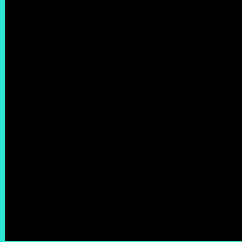
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

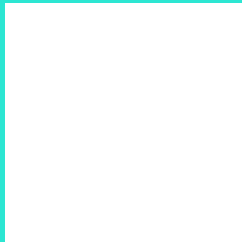
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7822, 0.2361, 0.3561**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7822, 0.2361, 0.3561.

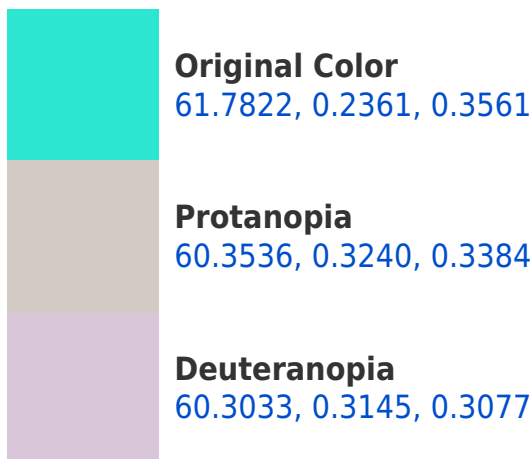


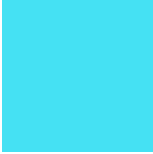
This preview shows how white text looks on a background with the Yxy color 61.7822, 0.2361, 0.3561.

# 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





## Tritanopia

61.5867, 0.2262, 0.3058

# Trichromacy



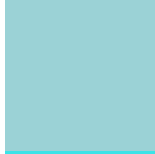
## Original Color

61.7822, 0.2361, 0.3561



## Protanomaly

58.2427, 0.2778, 0.3457



## Deuteranomaly

57.9168, 0.2723, 0.3238



## Tritanomaly

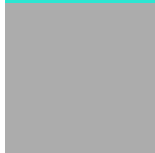
61.6684, 0.2295, 0.3235

# Monochromacy



## Original Color

61.7822, 0.2361, 0.3561



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

46.0451, 0.2679, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7822, 0.2361, 0.3561 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(44, 230, 210)` looks like.

```
.text, #text, p{  
    color:rgb(44, 230, 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(44, 230, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 230, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7822, 0.2361, 0.3561 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(44, 230, 210) }
```

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

```
.border{ border-color:rgb(44, 230, 210) }
```

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

Here you see how a box with a 4 pixel rgb(44, 230, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 230, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 230, 210);  
box-shadow:4px 4px 4px 4px rgb(44, 230,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7822, 0.2361, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 230, 210) }
```

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

```
.background{ background-color: rgb(44, 230,  
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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