

Converting Colors

$Yxy(61.5735, 0.2435, 0.3542)$

Have a look what the booklet for
Yxy(61.5735, 0.2435, 0.3542)
contains.

Yxy(61.7100, 0.2435, 0.3544)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.7100, 0.2435, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	4EE4D1
RGB	78, 228, 209
RGB Percent	31%, 89%, 82%
CMY	0.6939, 0.1059, 0.1803
CMYK	0.66, 0.00, 0.08, 0.11
HSL	172°, 74%, 60%
HSV	172°, 66%, 89%
XYZ	42.3995, 61.7100, 70.0158
YIQ	180.9840, -83.3010, -37.7090

Conversions

Conversions Part 2

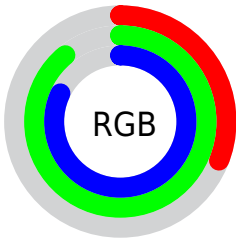
Format	Color
RYB	78, 158, 228
Decimal	5170385
CIELab	82.76, -43.64, -2.35
CIELCh	83, 43.707, 183.086
Yxy	61.7100, 0.2435, 0.3544
Android (android.graphics.Color)	4283360465 (0xFF4EE4D1)
YUV	180.9840, 13.8119, -90.3170
Hunter-Lab	78.5557, -41.1293, 2.1445

Details

The Yxy color **61.7100, 0.2435, 0.3544** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.8136, 0.5020, 0.3105**, and the grayscale version is **46.1668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **31.8716, 0.2332, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **60.7682, 0.2391, 0.3589**, and if you desaturate by 10%, it is **62.9929, 0.2498, 0.3500**.

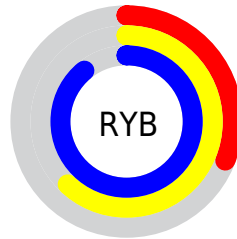
Distribution



Red (31%)

Green (89%)

Blue (82%)



Red (31%)

Yellow (62%)

Blue (89%)

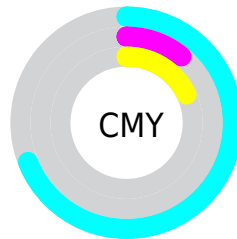


Cyan (66%)

Magenta (0%)

Yellow (8%)

Black (11%)



Cyan (69%)


Magenta (11%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7100, 0.2435, 0.3544 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 61.7100, 0.2435, 0.3544 by changing the saturation by 10% instead.

 61.7100, 0.2435,
0.3544

 61.7100, 0.2435,
0.3544


430.8725, 0.2761,
0.3427


 44.7984, 0.2360,
0.3571


 107.3063, 0.2549,
0.3503


 31.2987, 0.2266,
0.3603


 136.7598, 0.2593,
0.3488

 20.8264, 0.2148,
0.3644


 171.1627, 0.2631,
0.3474

 12.9972, 0.1992,
0.3696

 210.8994, 0.2663,
0.3462

 7.4266, 0.1780,
0.3766

256.3544, 0.2692,
0.3452

 3.7303, 0.1479,
0.3859

307.9120, 0.2718,

 1.5239, 0.0747,

0.3442

0.4110

365.9565, 0.2740,
0.3434

0.3054, 0.0000,
0.3806

0.0000, 0.0000,
0.0000

61.7100, 0.2435,
0.3544

61.7100, 0.2435,
0.3544

60.7682, 0.2391,
0.3589

62.9929, 0.2498,
0.3500

60.1241, 0.2366,
0.3633


64.6407, 0.2580,
0.3457


59.7355, 0.2360,
0.3677


66.6835, 0.2679,
0.3416

59.6162, 0.2360,
0.3696

69.1459, 0.2792,
0.3377

 72.0510, 0.2916,
0.3341

 75.4197, 0.3048,
0.3308

 79.2720, 0.3186,
0.3278

 82.5776, 0.3289,
0.3250

 82.7429, 0.3269,
0.3221

Harmonies

Analogous

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



61.7100, 0.2892, 0.4058



61.7100, 0.2435, 0.3544



61.7100, 0.2173, 0.2995

Triad

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



61.7100, 0.2435, 0.3544



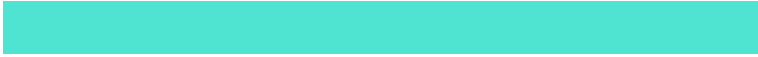
61.7100, 0.2749, 0.2455



61.7100, 0.4208, 0.3863

Complementary

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



61.7100, 0.2435, 0.3544



22.8136, 0.5020, 0.3105

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.



61.7100, 0.4184, 0.3437



61.7100, 0.2435, 0.3544



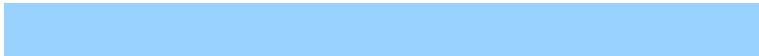
61.7100, 0.3296, 0.2666

Square

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



61.7100, 0.2435, 0.3544



61.7100, 0.2342, 0.2424



61.7100, 0.3839, 0.3014



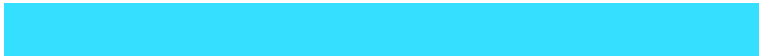
61.7100, 0.3923, 0.4197

Rectangle

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



61.7100, 0.2435, 0.3544



61.7100, 0.2127, 0.2709



61.7100, 0.3839, 0.3014



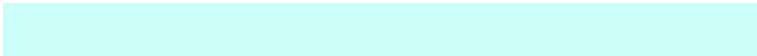
61.7100, 0.4238, 0.3726

Sweetspot

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



61.7124, 0.2435, 0.3544



91.1688, 0.2860, 0.3357



58.6356, 0.3119, 0.5353



19.2900, 0.2825, 0.3367



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.



61.7124, 0.2435, 0.3544



77.9778, 0.2380, 0.3605



37.1175, 0.2167, 0.2507



16.3034, 0.2998, 0.3320



34.4377, 0.2358, 0.3689



2.5537, 0.2340, 0.3624

Inverse Universe

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



22.8136, 0.5020, 0.3105



24.4217, 0.5622, 0.3124



33.8287, 0.4793, 0.3882



14.3975, 0.3273, 0.3261



9.5844, 0.6236, 0.3209



0.7179, 0.5913, 0.3031

Previews

White Background



This preview shows how the Yxy color 61.7100, 0.2435, 0.3544 looks on a white background.

Color Contrast Check

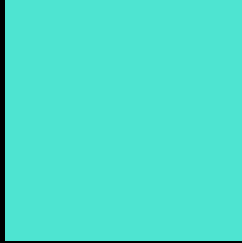
Large Text (above 18pt) WCAG AA × Fail

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 61.7100, 0.2435, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

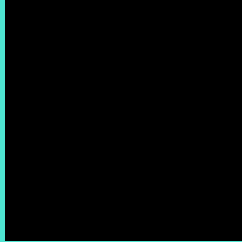
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

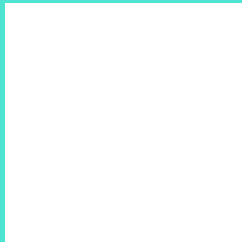
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.7100, 0.2435, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 61.7100, 0.2435, 0.3544.

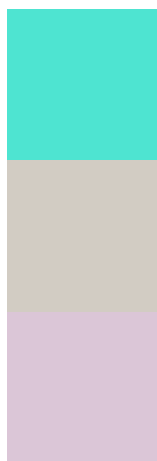


This preview shows how white text looks on a background with the Yxy color 61.7100, 0.2435, 0.3544.

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

61.7100, 0.2435, 0.3544

Protanopia

60.8275, 0.3239, 0.3395

Deuteranopia

60.3545, 0.3167, 0.3100



Tritanopia

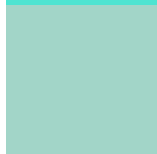
61.4534, 0.2329, 0.3060

Trichromacy



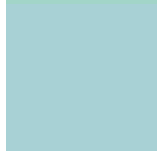
Original Color

61.7100, 0.2435, 0.3544



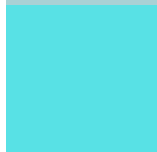
Protanomaly

59.4400, 0.2854, 0.3454



Deuteranomaly

58.7299, 0.2811, 0.3240



Tritanomaly

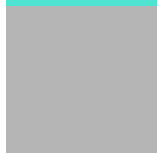
61.5823, 0.2369, 0.3236

Monochromacy



Original Color

61.7100, 0.2435, 0.3544



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.0790, 0.2778, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7100, 0.2435, 0.3544 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(78, 228, 209)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 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(78, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 209) }
```

Border

The CSS property to change the border of an element to Yxy 61.7100, 0.2435, 0.3544 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(78, 228, 209) }
```

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

```
.border{ border-color:rgb(78, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7100, 0.2435, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 209) }
```

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

```
.background{ background-color: rgb(78, 228,  
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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