

Converting Colors

$Yxy(61.8684, 0.2398, 0.3458)$

Have a look what the booklet for
Yxy(61.8684, 0.2398, 0.3458)
contains.

Yxy(61.8890, 0.2400, 0.3462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.8890, 0.2400, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	4BE4D7
RGB	75, 228, 215
RGB Percent	29%, 89%, 84%
CMY	0.7063, 0.1058, 0.1569
CMYK	0.67, 0.00, 0.06, 0.11
HSL	175°, 74%, 59%
HSV	175°, 67%, 89%
XYZ	42.9040, 61.8890, 73.9736
YIQ	180.7710, -87.0150, -36.4790

Conversions

Conversions Part 2

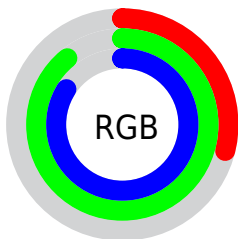
Format	Color
RYB	75, 155, 228
Decimal	4973783
CIELab	82.85, -42.55, -5.38
CIELCh	83, 42.884, 187.209
Yxy	61.8890, 0.2400, 0.3462
Android (android.graphics.Color)	4283163863 (0xFF4BE4D7)
YUV	180.7710, 16.8749, -92.7612
Hunter-Lab	78.6696, -40.3233, -0.6822

Details

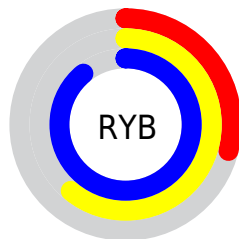
The Yxy color **61.8890, 0.2400, 0.3462** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.2166, 0.5176, 0.3171**, and the grayscale version is **46.0061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **32.0431, 0.2306, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **61.0333, 0.2356, 0.3491**, and if you desaturate by 10%, it is **63.0797, 0.2464, 0.3433**.

Distribution



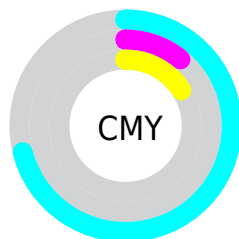
- Red (29%)
- Green (89%)
- Blue (84%)



- Red (29%)
- Yellow (61%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (71%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8890, 0.2400, 0.3462 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 61.8890, 0.2400, 0.3462 by changing the saturation by 10% instead.


 61.8890, 0.2400,
0.3462

 61.8890, 0.2400,
0.3462


431.5261, 0.2740,
0.3387


 44.9430, 0.2322,
0.3478


 107.5651, 0.2518,
0.3437

 31.4125, 0.2225,
0.3497


 137.0640, 0.2564,
0.3427

 20.9132, 0.2103,
0.3520


 171.5160, 0.2604,
0.3418

 13.0606, 0.1944,
0.3547

 211.3054, 0.2638,
0.3410

 7.4703, 0.1728,
0.3579

256.8168, 0.2668,
0.3403

 3.7579, 0.1426,
0.3613

308.4344, 0.2695,

 1.5391, 0.0760,

0.3397

366.5427, 0.2719,
0.3392

0.3723

0.3160, 0.0000,
0.3049

0.0000, 0.0000,
0.0000

61.8890, 0.2400,
0.3462

61.8890, 0.2400,
0.3462

61.0333, 0.2356,
0.3491

63.0797, 0.2464,
0.3433

60.4684, 0.2331,
0.3520


64.6300, 0.2546,
0.3405


60.1481, 0.2322,
0.3549


66.5701, 0.2646,
0.3377


60.0790, 0.2321,
0.3557

68.9253, 0.2761,
0.3352

 71.7186, 0.2888,
0.3327

 74.9714, 0.3025,
0.3305

 78.7037, 0.3168,
0.3284

 82.4949, 0.3299,
0.3266

 82.6047, 0.3286,
0.3247

Harmonies

Analogous

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



61.8890, 0.2827, 0.3984



61.8890, 0.2400, 0.3462



61.8890, 0.2172, 0.2937

Triad

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



61.8890, 0.2400, 0.3462



61.8890, 0.2824, 0.2489



61.8890, 0.4165, 0.3907

Complementary

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



61.8890, 0.2400, 0.3462



22.2166, 0.5176, 0.3171

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.



61.8890, 0.4186, 0.3495



61.8890, 0.2400, 0.3462



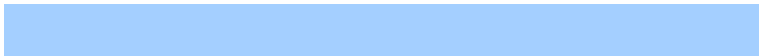
61.8890, 0.3371, 0.2718

Square

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



61.8890, 0.2400, 0.3462



61.8890, 0.2400, 0.2432



61.8890, 0.3887, 0.3074



61.8890, 0.3852, 0.4211

Rectangle

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



61.8890, 0.2400, 0.3462



61.8890, 0.2148, 0.2674



61.8890, 0.3887, 0.3074



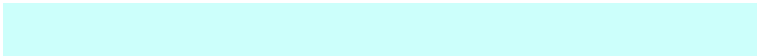
61.8890, 0.4208, 0.3776

Sweetspot

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



61.8914, 0.2400, 0.3462



91.3014, 0.2849, 0.3334



58.1840, 0.3092, 0.5410



19.3222, 0.2813, 0.3341



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.



61.8914, 0.2400, 0.3462



78.3000, 0.2343, 0.3504



34.6448, 0.2133, 0.2409



16.3142, 0.2993, 0.3310



34.6964, 0.2320, 0.3553



2.5702, 0.2309, 0.3510

Inverse Universe

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



22.2166, 0.5176, 0.3171



23.8043, 0.5806, 0.3192



34.6504, 0.4791, 0.3944



14.3878, 0.3279, 0.3270



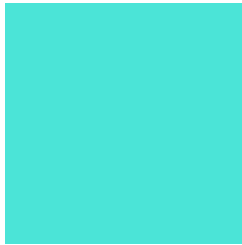
9.5592, 0.6304, 0.3246



0.7133, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 61.8890, 0.2400, 0.3462 looks on a white background.

Color Contrast Check

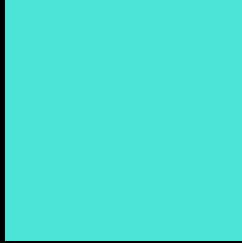
Large Text (above 18pt) WCAG AA × Fail

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 61.8890, 0.2400, 0.3462 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

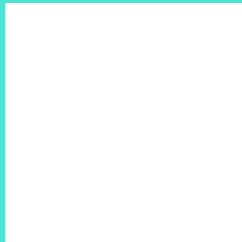
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8890, 0.2400, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 61.8890, 0.2400, 0.3462.

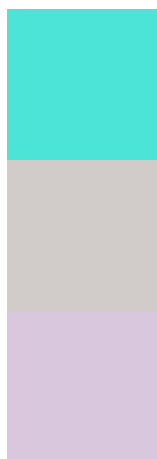


This preview shows how white text looks on a background with the Yxy color 61.8890, 0.2400, 0.3462.

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

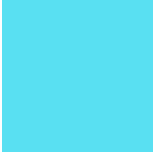
61.8890, 0.2400, 0.3462

Protanopia

60.9581, 0.3187, 0.3325

Deuteranopia

60.8190, 0.3108, 0.3044



Tritanopia

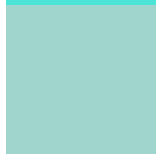
61.8460, 0.2316, 0.3060

Trichromacy



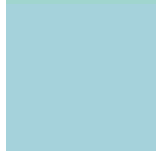
Original Color

61.8890, 0.2400, 0.3462



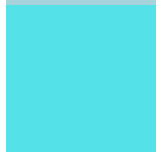
Protanomaly

59.5183, 0.2805, 0.3377



Deuteranomaly

59.2070, 0.2756, 0.3178



Tritanomaly

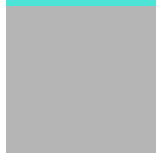
61.5614, 0.2345, 0.3197

Monochromacy



Original Color

61.8890, 0.2400, 0.3462



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.9892, 0.2752, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8890, 0.2400, 0.3462 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(75, 228, 215)` looks like.

```
.text, #text, p{  
    color:rgb(75, 228, 215)  
}
```

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(75, 228, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 228, 215) }
```

Border

The CSS property to change the border of an element to Yxy 61.8890, 0.2400, 0.3462 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(75, 228, 215) }
```

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

```
.border{ border-color:rgb(75, 228, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 228, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 228, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 228, 215);  
box-shadow:4px 4px 4px 4px rgb(75, 228,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8890, 0.2400, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 228, 215) }
```

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

```
.background{ background-color: rgb(75, 228,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor