

Converting Colors

$Yxy(56.7170, 0.2377, 0.3663)$

Have a look what the booklet for
Yxy(56.7170, 0.2377, 0.3663)
contains.

Yxy(56.5514, 0.2377, 0.3661)	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(56.5514, 0.2377, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	21DEC4
RGB	33, 222, 196
RGB Percent	13%, 87%, 77%
CMY	0.8696, 0.1294, 0.2314
CMYK	0.85, 0.00, 0.12, 0.13
HSL	172°, 74%, 50%
HSV	172°, 85%, 87%
XYZ	36.7175, 56.5514, 61.2009
YIQ	162.5250, -104.2980, -48.1540

Conversions

Conversions Part 2

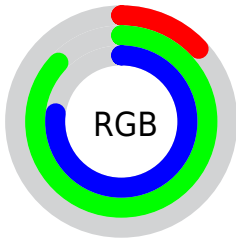
Format	Color
RYB	33, 134, 222
Decimal	2219716
CIELab	79.93, -49.33, 0.34
CIELCh	80, 49.327, 179.610
Yxy	56.5514, 0.2377, 0.3661
Android (android.graphics.Color)	4280409796 (0xFF21DEC4)
YUV	162.5250, 16.5032, -113.5934
Hunter-Lab	75.2007, -44.4468, 4.3882

Details

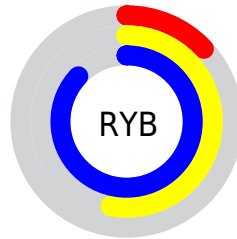
The Yxy color **56.5514, 0.2377, 0.3661** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed cyan. A complement of this color would be **16.9497, 0.5806, 0.3127**, and the grayscale version is **36.3849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3938, 0.2444, 0.3311**, and **29.2254, 0.2374, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **56.1596, 0.2370, 0.3709**, and if you desaturate by 10%, it is **57.1919, 0.2402, 0.3612**.

Distribution



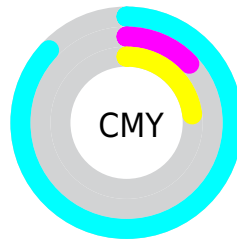
- Red (13%)
- Green (87%)
- Blue (77%)



- Red (13%)
- Yellow (53%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5514, 0.2377, 0.3661 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 56.5514, 0.2377, 0.3661 by changing the saturation by 10% instead.


 56.5514, 0.2377,
0.3661


 56.5514, 0.2377,
0.3661


411.7662, 0.2736,
0.3483


 40.6452, 0.2292,
0.3703


 99.8103, 0.2504,
0.3598


 28.0419, 0.2187,
0.3756


 127.9318, 0.2552,
0.3574

 18.3573, 0.2051,
0.3823

 160.8939, 0.2594,
0.3553

 11.2068, 0.1871,
0.3913

 199.0809, 0.2630,
0.3536

 6.2061, 0.1624,
0.4037

 242.8772, 0.2662,
0.3520

 2.9708, 0.1268,
0.4216

292.6673, 0.2690,

 1.1165, 0.0000,

0.3506

0.4844

348.8355, 0.2714,
0.3494

■ 0.0000, 0.0000,
0.0000

■ 56.5514, 0.2377,
0.3661

■ 56.5514, 0.2377,
0.3661

■ 56.1596, 0.2370,
0.3709

■ 57.1919, 0.2402,
0.3612

■ 56.0204, 0.2370,
0.3733

■ 58.1155, 0.2447,
0.3564

■ 59.3579, 0.2511,
0.3516

■ 60.9477, 0.2594,
0.3469

■ 62.9107, 0.2692,
0.3424

■ 65.2698, 0.2805,
0.3382

■ 68.0464, 0.2928,
0.3343

■ 71.2601, 0.3059,
0.3307

■ 74.9295, 0.3196,
0.3274

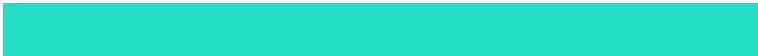
Harmonies

Analogous

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



56.5514, 0.2917, 0.4250



56.5514, 0.2377, 0.3661



56.5514, 0.2056, 0.3004

Triad

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



56.5514, 0.2377, 0.3661



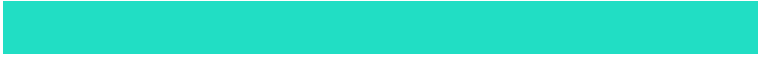
56.5514, 0.2623, 0.2324



56.5514, 0.4393, 0.3877

Complementary

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



56.5514, 0.2377, 0.3661



16.9497, 0.5806, 0.3127

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.



56.5514, 0.4328, 0.3387



56.5514, 0.2377, 0.3661



56.5514, 0.3241, 0.2541

Square

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



56.5514, 0.2377, 0.3661



56.5514, 0.2189, 0.2309



56.5514, 0.3888, 0.2917



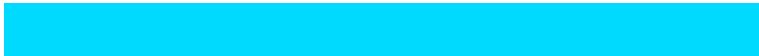
56.5514, 0.4091, 0.4294

Rectangle

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



56.5514, 0.2377, 0.3661



56.5514, 0.1986, 0.2660



56.5514, 0.3888, 0.2917



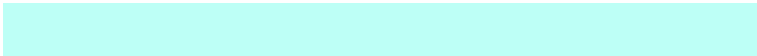
56.5514, 0.4416, 0.3716

Sweetspot

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



56.5536, 0.2377, 0.3661



88.9461, 0.2791, 0.3387



53.3622, 0.3083, 0.5801



18.7882, 0.2750, 0.3401



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.



56.5536, 0.2377, 0.3661



76.6804, 0.2371, 0.3737



29.3576, 0.2000, 0.2285



15.5382, 0.3000, 0.3322



33.2886, 0.2368, 0.3726



2.3165, 0.2348, 0.3651

Inverse Universe

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



16.9497, 0.5806, 0.3127



21.3821, 0.6251, 0.3217



24.6242, 0.5462, 0.3854



13.7311, 0.3270, 0.3258



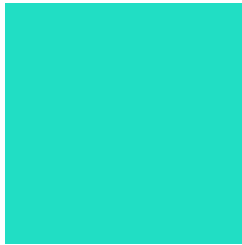
9.2912, 0.6213, 0.3196



0.6540, 0.5853, 0.2998

Previews

White Background



This preview shows how the Yxy color 56.5514, 0.2377, 0.3661 looks on a white background.

Color Contrast Check

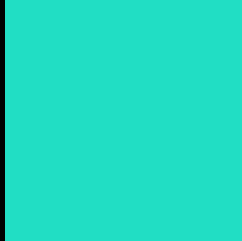
Large Text (above 18pt) WCAG AA × Fail

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 56.5514, 0.2377, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

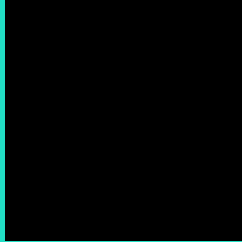
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

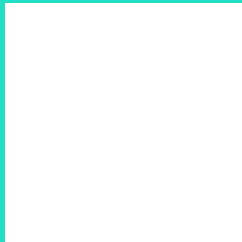
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5514, 0.2377, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 56.5514, 0.2377, 0.3661.

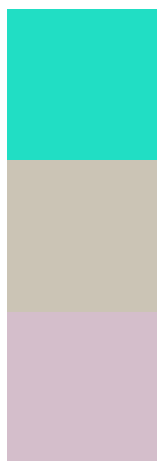


This preview shows how white text looks on a background with the Yxy color 56.5514, 0.2377, 0.3661.

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

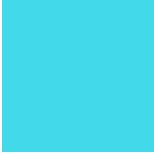
56.5514, 0.2377, 0.3661

Protanopia

55.5126, 0.3297, 0.3472

Deuteranopia

55.1358, 0.3208, 0.3139



Tritanopia

56.7245, 0.2263, 0.3063

Trichromacy



Original Color

56.5514, 0.2377, 0.3661



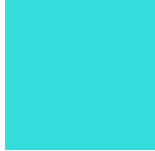
Protanomaly

52.8705, 0.2797, 0.3548



Deuteranomaly

52.6142, 0.2746, 0.3315



Tritanomaly

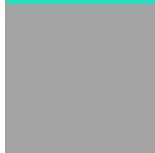
56.6146, 0.2300, 0.3274

Monochromacy



Original Color

56.5514, 0.2377, 0.3661



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.0891, 0.2674, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5514, 0.2377, 0.3661 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(33, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(33, 222, 196)  
}
```

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(33, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 222, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.5514, 0.2377, 0.3661 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(33, 222, 196) }
```

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

```
.border{ border-color:rgb(33, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(33, 222,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5514, 0.2377, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 222, 196) }
```

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

```
.background{ background-color: rgb(33, 222,  
196) }
```

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