

Converting Colors

$Y_{xy}(62.7354, 0.2336, 0.3563)$

Have a look what the booklet for
Yxy(62.7354, 0.2336, 0.3563)
contains.

Yxy(62.6488, 0.2335, 0.3560)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.6488, 0.2335, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	17E8D4
RGB	23, 232, 212
RGB Percent	9%, 91%, 83%
CMY	0.9111, 0.0902, 0.1685
CMYK	0.90, 0.00, 0.09, 0.09
HSL	174°, 82%, 50%
HSV	174°, 90%, 91%
XYZ	41.0913, 62.6488, 72.2397
YIQ	167.2290, -118.1440, -50.5280

Conversions

Conversions Part 2

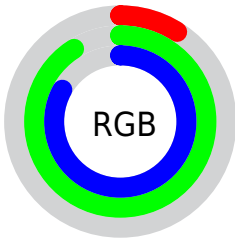
Format	Color
R _Y B	23, 133, 232
Decimal	1566932
CIE Lab	83.26, -49.76, -3.30
CIE LCh	83, 49.871, 183.797
Yxy	62.6488, 0.2335, 0.3560
Android (android.graphics.Color)	4279757012 (0xFF17E8D4)
YUV	167.2290, 22.0721, -126.4888
Hunter-Lab	79.1510, -45.8459, 1.2928

Details

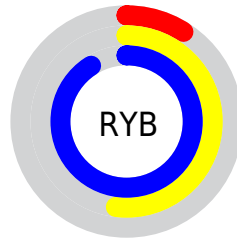
The Yxy color **62.6488, 0.2335, 0.3560** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.9281, 0.6089, 0.3210**, and the grayscale version is **38.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **33.1286, 0.2331, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **62.3647, 0.2331, 0.3592**, and if you desaturate by 10%, it is **63.1631, 0.2354, 0.3527**.

Distribution



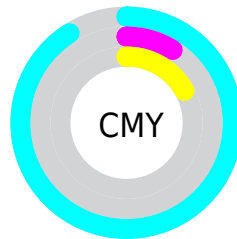
- Red (9%)
- Green (91%)
- Blue (83%)



- Red (9%)
- Yellow (52%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6488, 0.2335, 0.3560 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 62.6488, 0.2335, 0.3560 by changing the saturation by 10% instead.

 62.6488, 0.2335,
0.3560

 62.6488, 0.2335,
0.3560


434.2938, 0.2705,
0.3437


 45.5572, 0.2250,
0.3587


 108.6627, 0.2464,
0.3518


 31.8965, 0.2146,
0.3620


 138.3537, 0.2514,
0.3502


 21.2825, 0.2013,
0.3661


 173.0133, 0.2557,
0.3487

 13.3306, 0.1842,
0.3712

 213.0259, 0.2594,
0.3475

 7.6566, 0.1611,
0.3777

 258.7758, 0.2627,
0.3464

 3.8760, 0.1291,
0.3860

310.6475, 0.2656,

 1.6045, 0.0462,

0.3454

0.4116

369.0254, 0.2682,
0.3445

■ 0.3606, 0.0000,
0.3664

■ 0.0000, 0.0000,
0.0000

■ 62.6488, 0.2335,
0.3560

■ 62.6488, 0.2335,
0.3560


■ 62.3647, 0.2331,
0.3592


■ 63.1631, 0.2354,
0.3527


■ 63.9669, 0.2391,
0.3494


■ 65.1038, 0.2448,
0.3461

■ 66.6084, 0.2524,
0.3429

 68.5108, 0.2618,
0.3398

 70.8381, 0.2728,
0.3368

 73.6151, 0.2850,
0.3340

 76.8645, 0.2983,
0.3314

 80.6076, 0.3124,
0.3291

Harmonies

Analogous

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



62.6488, 0.2840, 0.4162



62.6488, 0.2335, 0.3560



62.6488, 0.2054, 0.2933

Triad

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



62.6488, 0.2335, 0.3560



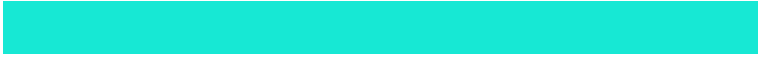
62.6488, 0.2710, 0.2362



62.6488, 0.4344, 0.3932

Complementary

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



62.6488, 0.2335, 0.3560



17.9281, 0.6089, 0.3210

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.



62.6488, 0.4333, 0.3454



62.6488, 0.2335, 0.3560



62.6488, 0.3330, 0.2600

Square

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



62.6488, 0.2335, 0.3560



62.6488, 0.2255, 0.2318



62.6488, 0.3948, 0.2986



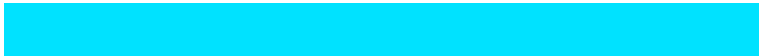
62.6488, 0.4008, 0.4316

Rectangle

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



62.6488, 0.2335, 0.3560



62.6488, 0.2009, 0.2618



62.6488, 0.3948, 0.2986



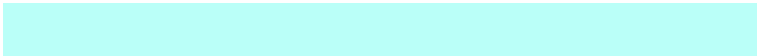
62.6488, 0.4383, 0.3777

Sweetspot

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



62.6512, 0.2335, 0.3560



88.7821, 0.2764, 0.3359



58.3045, 0.3040, 0.5901



18.7654, 0.2724, 0.3369



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.



62.6512, 0.2335, 0.3560



77.2714, 0.2332, 0.3593



27.2687, 0.1919, 0.2049



16.3115, 0.2994, 0.3312



34.6301, 0.2330, 0.3586



2.5660, 0.2316, 0.3539

Inverse Universe

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



17.9281, 0.6089, 0.3210



21.3273, 0.6317, 0.3254



27.6079, 0.5493, 0.3926



14.3902, 0.3278, 0.3268



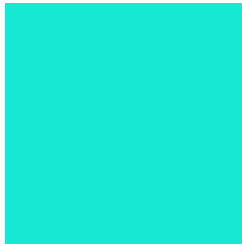
9.5648, 0.6289, 0.3238



0.7145, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 62.6488, 0.2335, 0.3560 looks on a white background.

Color Contrast Check

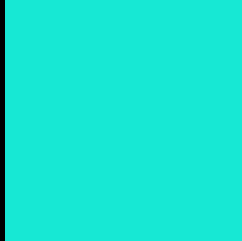
Large Text (above 18pt) WCAG AA × Fail

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 62.6488, 0.2335, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

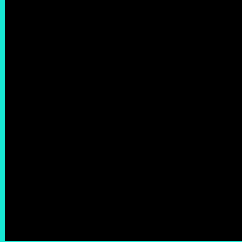
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

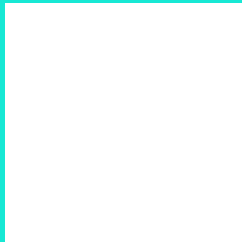
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.6488, 0.2335, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 62.6488, 0.2335, 0.3560.

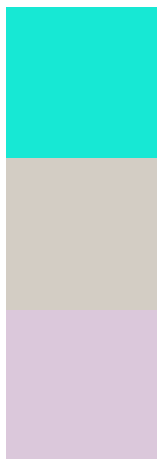


This preview shows how white text looks on a background with the Yxy color 62.6488, 0.2335, 0.3560.

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

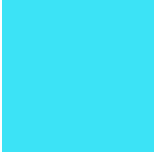
62.6488, 0.2335, 0.3560

Protanopia

61.4970, 0.3238, 0.3395

Deuteranopia

61.4831, 0.3137, 0.3078



Tritanopia

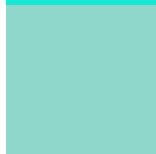
62.5526, 0.2238, 0.3046

Trichromacy



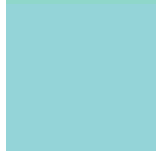
Original Color

62.6488, 0.2335, 0.3560



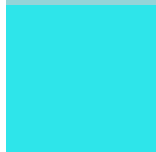
Protanomaly

58.7048, 0.2727, 0.3458



Deuteranomaly

58.3407, 0.2672, 0.3238



Tritanomaly

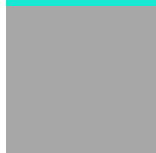
62.5600, 0.2266, 0.3222

Monochromacy



Original Color

62.6488, 0.2335, 0.3560



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.3253, 0.2632, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6488, 0.2335, 0.3560 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(23, 232, 212)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 212)  
}
```

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(23, 232, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 212) }
```

Border

The CSS property to change the border of an element to Yxy 62.6488, 0.2335, 0.3560 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(23, 232, 212) }
```

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

```
.border{ border-color:rgb(23, 232, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 212);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6488, 0.2335, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 212) }
```

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

```
.background{ background-color: rgb(23, 232,  
212) }
```

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