

Converting Colors

$Yxy(62.8893, 0.2333, 0.3555)$

Have a look what the booklet for
Yxy(62.8893, 0.2333, 0.3555)
contains.

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Color

Yxy(62.6879, 0.2331, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	17E8D5
RGB	23, 232, 213
RGB Percent	9%, 91%, 84%
CMY	0.9114, 0.0902, 0.1646
CMYK	0.90, 0.00, 0.08, 0.09
HSL	175°, 82%, 50%
HSV	175°, 90%, 91%
XYZ	41.2085, 62.6879, 72.8884
YIQ	167.3430, -118.4650, -50.2170

Conversions

Conversions Part 2

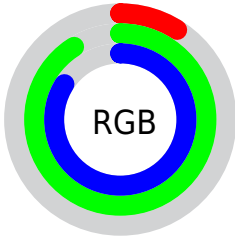
Format	Color
R _Y B	23, 132, 232
Decimal	1566933
CIE Lab	83.28, -49.49, -3.79
CIE LCh	83, 49.636, 184.376
Yxy	62.6879, 0.2331, 0.3546
Android (android.graphics.Color)	4279757013 (0xFF17E8D5)
YUV	167.3430, 22.5089, -126.5888
Hunter-Lab	79.1757, -45.6536, 0.8412

Details

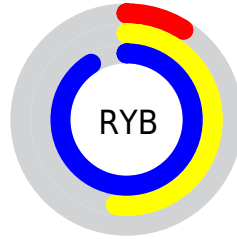
The Yxy color **62.6879, 0.2331, 0.3546** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.9151, 0.6100, 0.3215**, and the grayscale version is **38.6862, 0.3127, 0.3290**.

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 **62.4095, 0.2327, 0.3576**, and if you desaturate by 10%, it is **63.1964, 0.2350, 0.3515**.

Distribution



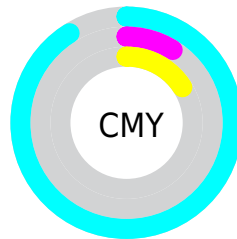
- Red (9%)
- Green (91%)
- Blue (84%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)




- Cyan (91%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6879, 0.2331, 0.3546 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 62.6879, 0.2331, 0.3546 by changing the saturation by 10% instead.


 62.6879, 0.2331,
0.3546


 62.6879, 0.2331,
0.3546


434.4359, 0.2703,
0.3431


 45.5888, 0.2246,
0.3571


 108.7191, 0.2460,
0.3507


 31.9214, 0.2141,
0.3602


 138.4200, 0.2510,
0.3491


 21.3015, 0.2009,
0.3640


 173.0903, 0.2554,
0.3478

 13.3446, 0.1837,
0.3686

 213.1143, 0.2591,
0.3466

 7.6662, 0.1606,
0.3745

 258.8765, 0.2624,
0.3456

 3.8821, 0.1286,
0.3819

310.7612, 0.2653,

 1.6079, 0.0476,

0.3446

0.4048

369.1529, 0.2679,
0.3438

■ 0.3629, 0.0000,
0.3548

■ 0.0000, 0.0000,
0.0000

■ 62.6879, 0.2331,
0.3546

■ 62.6879, 0.2331,
0.3546

■ 62.4095, 0.2327,
0.3576

■ 63.1964, 0.2350,
0.3515

■ 63.9941, 0.2388,
0.3484

■ 65.1246, 0.2445,
0.3453

■ 66.6224, 0.2521,
0.3422

68.5178, 0.2615,
0.3393

70.8378, 0.2725,
0.3364

73.6072, 0.2849,
0.3338

76.8487, 0.2982,
0.3313

80.5836, 0.3123,
0.3291

Harmonies

Analogous

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



62.6879, 0.2830, 0.4148



62.6879, 0.2331, 0.3546



62.6879, 0.2056, 0.2925

Triad

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



62.6879, 0.2331, 0.3546



62.6879, 0.2723, 0.2368



62.6879, 0.4335, 0.3938

Complementary

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



62.6879, 0.2331, 0.3546



17.9151, 0.6100, 0.3215

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.



62.6879, 0.4331, 0.3464



62.6879, 0.2331, 0.3546



62.6879, 0.3342, 0.2609

Square

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



62.6879, 0.2331, 0.3546



62.6879, 0.2265, 0.2321



62.6879, 0.3954, 0.2996



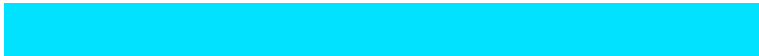
62.6879, 0.3995, 0.4317

Rectangle

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



62.6879, 0.2331, 0.3546



62.6879, 0.2014, 0.2614



62.6879, 0.3954, 0.2996



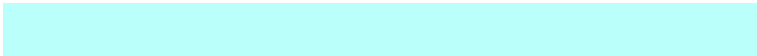
62.6879, 0.4376, 0.3784

Sweetspot

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



62.6903, 0.2331, 0.3546



88.8026, 0.2763, 0.3356



58.2934, 0.3040, 0.5902



18.7703, 0.2722, 0.3365



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.



62.6903, 0.2331, 0.3546



77.3401, 0.2327, 0.3577



27.2557, 0.1919, 0.2049



16.3127, 0.2994, 0.3311



34.6603, 0.2325, 0.3571



2.5679, 0.2313, 0.3526

Inverse Universe

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



17.9151, 0.6100, 0.3215



21.3223, 0.6323, 0.3257



27.5954, 0.5494, 0.3926



14.3891, 0.3278, 0.3269



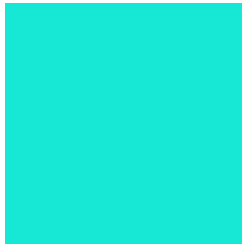
9.5622, 0.6296, 0.3242



0.7139, 0.6041, 0.3102

Previews

White Background



This preview shows how the Yxy color 62.6879, 0.2331, 0.3546 looks on a white background.

Color Contrast Check

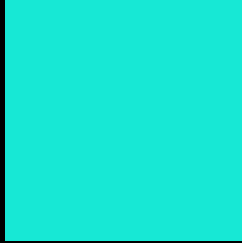
Large Text (above 18pt) WCAG AA × Fail

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 62.6879, 0.2331, 0.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

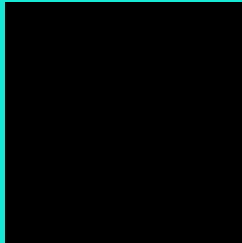
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6879, 0.2331, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 62.6879, 0.2331, 0.3546.

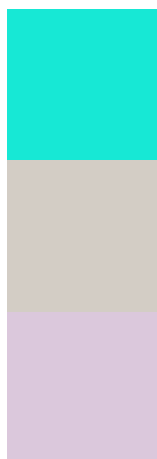


This preview shows how white text looks on a background with the Yxy color 62.6879, 0.2331, 0.3546.

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

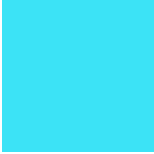
62.6995, 0.2331, 0.3546

Protanopia

61.5427, 0.3231, 0.3383

Deuteranopia

61.5359, 0.3130, 0.3068



Tritanopia

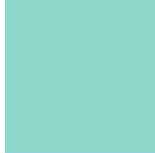
62.5526, 0.2238, 0.3046

Trichromacy



Original Color

62.6995, 0.2331, 0.3546



Protanomaly

58.6635, 0.2715, 0.3445



Deuteranomaly

58.3926, 0.2667, 0.3225



Tritanomaly

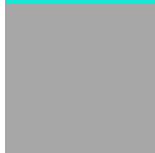
62.5600, 0.2266, 0.3222

Monochromacy



Original Color

62.6995, 0.2331, 0.3546



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.2997, 0.2620, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6879, 0.2331, 0.3546 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 213) }
```

Border

The CSS property to change the border of an element to Yxy 62.6879, 0.2331, 0.3546 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, 213) }
```

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

```
.border{ border-color:rgb(23, 232, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 213);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6879, 0.2331, 0.3546 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, 213) }
```

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

```
.background{ background-color: rgb(23, 232,  
213) }
```

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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