

Converting Colors

$Y_{xy}(42.8442, 0.2245, 0.3208)$

Have a look what the booklet for
Yxy(42.8442, 0.2245, 0.3208)
contains.

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Color

Yxy(42.9267, 0.2246, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	1AC2C7
RGB	26, 194, 199
RGB Percent	10%, 76%, 78%
CMY	0.8980, 0.2392, 0.2196
CMYK	0.87, 0.03, 0.00, 0.22
HSL	182°, 77%, 44%
HSV	182°, 87%, 78%
XYZ	30.0260, 42.9267, 60.7337
YIQ	144.3380, -101.7330, -34.0610

Conversions

Conversions Part 2

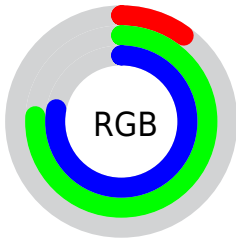
Format	Color
R _Y B	26, 111, 199
Decimal	1753799
CIE Lab	71.51, -36.65, -13.76
CIE LCh	72, 39.146, 200.584
Yxy	42.9267, 0.2246, 0.3211
Android (android.graphics.Color)	4279943879 (0xFF1AC2C7)
YUV	144.3380, 26.9484, -103.7824
Hunter-Lab	65.5185, -32.8539, -9.0972

Details

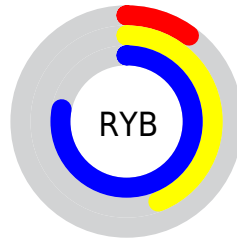
The Yxy color **42.9267, 0.2246, 0.3211** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.1964, 0.6107, 0.3326**, and the grayscale version is **27.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5294, 0.2404, 0.3241**, and **20.8005, 0.2218, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **42.4928, 0.2227, 0.3202**, and if you desaturate by 10%, it is **43.5435, 0.2282, 0.3221**.

Distribution



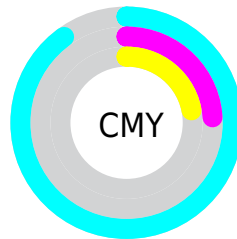
- Red (10%)
- Green (76%)
- Blue (78%)



- Red (10%)
- Yellow (44%)
- Blue (78%)



- Cyan (87%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)




- Cyan (90%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9267, 0.2246, 0.3211 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 42.9267, 0.2246, 0.3211 by changing the saturation by 10% instead.

 42.9267, 0.2246,
0.3211

 42.9267, 0.2246,
0.3211


358.3102, 0.2678,
0.3265


 29.8276, 0.2142,
0.3193

 79.6002, 0.2401,
0.3234

 19.7078, 0.2010,
0.3167


 103.9435, 0.2459,
0.3242


 12.1828, 0.1840,
0.3129


 132.8035, 0.2510,
0.3248

 6.8683, 0.1613,
0.3066

 166.5648, 0.2553,
0.3253

 3.3799, 0.1300,
0.2957

 205.6118, 0.2590,
0.3257

 1.3331, 0.0663,
0.2797


250.3287, 0.2623,

 0.1666, 0.0000,

0.3260


0.1261

301.1001, 0.2652,
0.3263


 0.0000, 0.0000,
0.0000


 42.9267, 0.2246,
0.3211

 42.9267, 0.2246,
0.3211


 42.4928, 0.2227,
0.3202

 43.5435, 0.2282,
0.3221

 42.3752, 0.2222,
0.3199

 44.3735, 0.2336,
0.3230

 45.4447, 0.2410,
0.3240

 46.7795, 0.2502,
0.3250

 48.3977, 0.2611,
0.3259

■ 50.3174, 0.2736,
0.3268

■ 52.5550, 0.2874,
0.3277

■ 55.1259, 0.3021,
0.3285

■ 58.0443, 0.3175,
0.3292

Harmonies

Analogous

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



42.9267, 0.2600, 0.3783



42.9267, 0.2246, 0.3211



42.9267, 0.2118, 0.2734

Triad

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



42.9267, 0.2246, 0.3211



42.9267, 0.3057, 0.2552



42.9267, 0.4083, 0.4085

Complementary

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



42.9267, 0.2246, 0.3211



13.1964, 0.6107, 0.3326

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.



42.9267, 0.4251, 0.3693



42.9267, 0.2246, 0.3211



42.9267, 0.3631, 0.2852

Square

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



42.9267, 0.2246, 0.3211



42.9267, 0.2551, 0.2410



42.9267, 0.4086, 0.3255



42.9267, 0.3660, 0.4305

Rectangle

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



42.9267, 0.2246, 0.3211



42.9267, 0.2163, 0.2528



42.9267, 0.4086, 0.3255



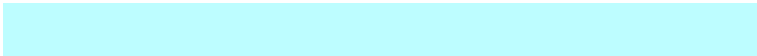
42.9267, 0.4173, 0.3966

Sweetspot

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



42.9283, 0.2246, 0.3211



88.3054, 0.2743, 0.3269



41.1536, 0.3001, 0.5861



18.6325, 0.2698, 0.3265



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.



42.9283, 0.2246, 0.3211



74.1327, 0.2222, 0.3198



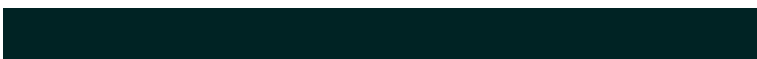
15.4129, 0.1852, 0.1755



12.0130, 0.2984, 0.3283



27.2723, 0.2222, 0.3200



1.3082, 0.2228, 0.3220

Inverse Universe

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



16.7761, 0.3270, 0.1630



28.0149, 0.3284, 0.1583



24.5659, 0.5103, 0.4191



10.8111, 0.3142, 0.3069



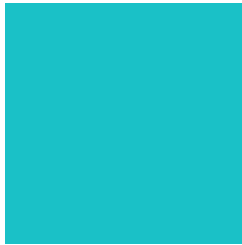
10.2931, 0.3282, 0.1582



0.4891, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 42.9267, 0.2246, 0.3211 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 42.9267, 0.2246, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

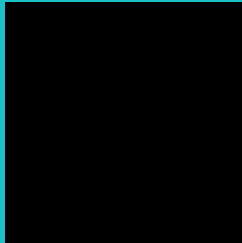
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

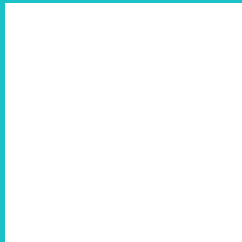
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9267, 0.2246, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 42.9267, 0.2246, 0.3211.

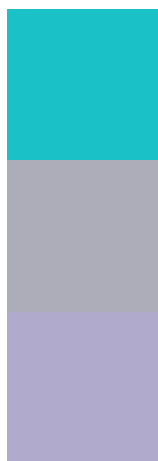


This preview shows how white text looks on a background with the Yxy color 42.9267, 0.2246, 0.3211.

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

42.9267, 0.2246, 0.3211

Protanopia

42.3165, 0.3022, 0.3116

Deuteranopia

42.3392, 0.2907, 0.2850



Tritanopia

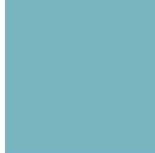
43.1061, 0.2221, 0.3064

Trichromacy



Original Color

42.9267, 0.2246, 0.3211



Protanomaly

40.8024, 0.2593, 0.3142



Deuteranomaly

40.5694, 0.2528, 0.2959



Tritanomaly

42.8878, 0.2227, 0.3107

Monochromacy



Original Color

42.9267, 0.2246, 0.3211



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.2877, 0.2600, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9267, 0.2246, 0.3211 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(26, 194, 199)` looks like.

```
.text, #text, p{  
    color:rgb(26, 194, 199)  
}
```

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(26, 194, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 194, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.9267, 0.2246, 0.3211 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(26, 194, 199) }
```

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

```
.border{ border-color:rgb(26, 194, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 194, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 194, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 194, 199);  
box-shadow:4px 4px 4px 4px rgb(26, 194,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9267, 0.2246, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 194, 199) }
```

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

```
.background{ background-color: rgb(26, 194,  
199) }
```

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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