

Converting Colors

$Yxy(41.9114, 0.2272, 0.3162)$

Have a look what the booklet for
Yxy(41.9114, 0.2272, 0.3162)
contains.

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Color

Yxy(42.0135, 0.2272, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	30BFC7
RGB	48, 191, 199
RGB Percent	19%, 75%, 78%
CMY	0.8119, 0.2510, 0.2195
CMYK	0.76, 0.04, 0.00, 0.22
HSL	183°, 61%, 48%
HSV	183°, 76%, 78%
XYZ	30.1595, 42.0135, 60.5711
YIQ	149.1550, -87.7960, -27.8280

Conversions

Conversions Part 2

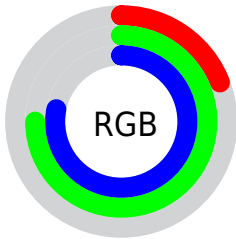
Format	Color
R_{YB}	48, 121, 199
Decimal	3194823
CIE _{Lab}	70.88, -33.45, -14.69
CIE _{LCh}	71, 36.534, 203.715
Yxy	42.0135, 0.2272, 0.3165
Android (android.graphics.Color)	4281384903 (0xFF30BFC7)
YUV	149.1550, 24.5736, -88.7129
Hunter-Lab	64.8178, -30.3759, -10.0330

Details

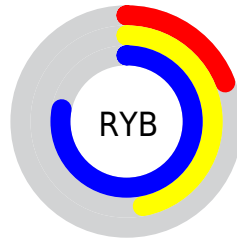
The Yxy color **42.0135, 0.2272, 0.3165** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.1865, 0.5659, 0.3369**, and the grayscale version is **30.0421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2767, 0.2426, 0.3207**, and **19.9357, 0.2200, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **41.1756, 0.2231, 0.3147**, and if you desaturate by 10%, it is **43.0747, 0.2331, 0.3183**.

Distribution



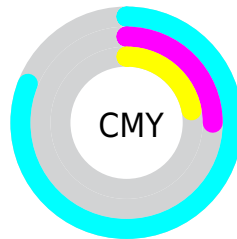
- Red (19%)
- Green (75%)
- Blue (78%)



- Red (19%)
- Yellow (47%)
- Blue (78%)



- Cyan (76%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)





- Cyan (81%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0135, 0.2272, 0.3165 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 42.0135, 0.2272, 0.3165 by changing the saturation by 10% instead.


 42.0135, 0.2272,
0.3165


 42.0135, 0.2272,
0.3165


354.5389, 0.2693,
0.3242

 29.1119, 0.2170,
0.3141

 78.2201, 0.2423,
0.3196


 19.1655, 0.2041,
0.3109


 102.2938, 0.2480,
0.3207


 11.7899, 0.1873,
0.3061


 130.8603, 0.2529,
0.3216

 6.6008, 0.1649,
0.2986

 164.3040, 0.2571,
0.3223

 3.2137, 0.1337,
0.2858

 203.0093, 0.2608,
0.3229

 1.2443, 0.0703,
0.2666

247.3607, 0.2640,

 0.0974, 0.0000,

0.3234

0.0785

297.7424, 0.2668,
0.3238

0.0000, 0.0000,
0.0000

42.0135, 0.2272,
0.3165

42.0135, 0.2272,
0.3165

41.1756, 0.2231,
0.3147

43.0747, 0.2331,
0.3183

40.5242, 0.2208,
0.3130

44.3804, 0.2410,
0.3201

40.2856, 0.2201,
0.3123

45.9542, 0.2507,
0.3219

47.8159, 0.2620,
0.3236

49.9833, 0.2748,
0.3252

■ 52.4728, 0.2888,
0.3268

■ 55.2996, 0.3036,
0.3282

■ 58.4778, 0.3191,
0.3295

■ 62.0209, 0.3348,
0.3307

Harmonies

Analogous

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



42.0135, 0.2589, 0.3698



42.0135, 0.2272, 0.3165



42.0135, 0.2172, 0.2732

Triad

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



42.0135, 0.2272, 0.3165



42.0135, 0.3119, 0.2615



42.0135, 0.3998, 0.4074

Complementary

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



42.0135, 0.2272, 0.3165



15.1865, 0.5659, 0.3369

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.



42.0135, 0.4182, 0.3718



42.0135, 0.2272, 0.3165



42.0135, 0.3655, 0.2913

Square

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



42.0135, 0.2272, 0.3165



42.0135, 0.2628, 0.2463



42.0135, 0.4058, 0.3303



42.0135, 0.3582, 0.4250

Rectangle

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



42.0135, 0.2272, 0.3165



42.0135, 0.2230, 0.2550



42.0135, 0.4058, 0.3303



42.0135, 0.4090, 0.3969

Sweetspot

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



42.0151, 0.2272, 0.3165



88.5501, 0.2783, 0.3256



41.7695, 0.2993, 0.5593



18.6307, 0.2733, 0.3250



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.



42.0151, 0.2272, 0.3165



71.3039, 0.2215, 0.3136



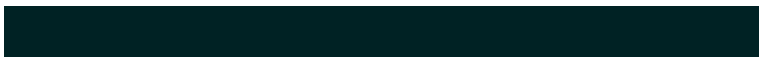
17.2295, 0.1943, 0.1884



11.9672, 0.2984, 0.3277



25.9369, 0.2201, 0.3125



1.2584, 0.2212, 0.3161

Inverse Universe

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



18.0186, 0.3302, 0.1749



28.3218, 0.3335, 0.1638



28.6050, 0.4777, 0.4242



10.8065, 0.3146, 0.3074



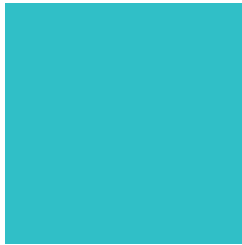
10.1583, 0.3346, 0.1617



0.4840, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 42.0135, 0.2272, 0.3165 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 42.0135, 0.2272, 0.3165 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

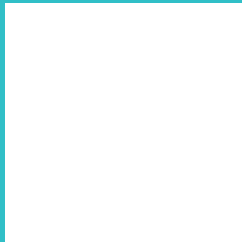
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0135, 0.2272, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 42.0135, 0.2272, 0.3165.

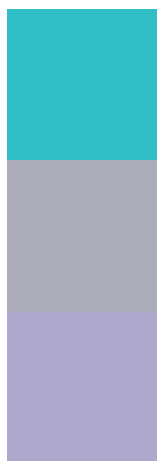


This preview shows how white text looks on a background with the Yxy color 42.0135, 0.2272, 0.3165.

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

42.0135, 0.2272, 0.3165

Protanopia

41.3289, 0.3005, 0.3087

Deuteranopia

41.2491, 0.2881, 0.2820



Tritanopia

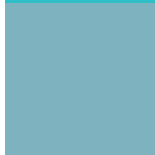
41.9916, 0.2253, 0.3062

Trichromacy



Original Color

42.0135, 0.2272, 0.3165



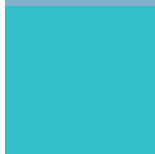
Protanomaly

40.0380, 0.2626, 0.3099



Deuteranomaly

39.9041, 0.2566, 0.2919



Tritanomaly

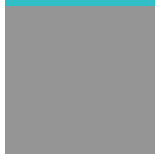
41.8425, 0.2257, 0.3091

Monochromacy



Original Color

42.0135, 0.2272, 0.3165



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.7857, 0.2662, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0135, 0.2272, 0.3165 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(48, 191, 199)` looks like.

```
.text, #text, p{  
    color:rgb(48, 191, 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(48, 191, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 191, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.0135, 0.2272, 0.3165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

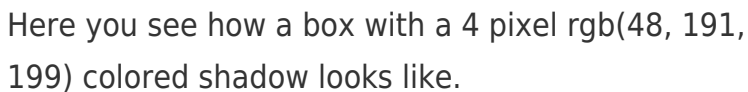
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 191, 199) }
```

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

```
.border{ border-color:rgb(48, 191, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 191, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(48, 191, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(48, 191, 199); box-shadow:4px 4px 4px 4px rgb(48, 191, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0135, 0.2272, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 191, 199) }
```

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

```
.background{ background-color: rgb(48, 191,  
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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