

Converting Colors

$Yxy(40.9886, 0.2302, 0.3206)$

Have a look what the booklet for
Yxy(40.9886, 0.2302, 0.3206)
contains.

Yxy(41.0745, 0.2302, 0.3210)	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(41.0745, 0.2302, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	36BDC2
RGB	54, 189, 194
RGB Percent	21%, 74%, 76%
CMY	0.7885, 0.2588, 0.2391
CMYK	0.72, 0.03, 0.00, 0.24
HSL	182°, 56%, 49%
HSV	182°, 72%, 76%
XYZ	29.4559, 41.0745, 57.4275
YIQ	149.2050, -82.0650, -27.0650

Conversions

Conversions Part 2

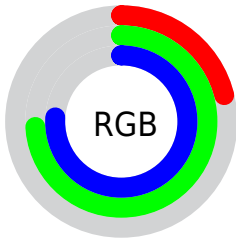
Format	Color
RYB	54, 123, 194
Decimal	3587522
CIELab	70.23, -33.31, -12.92
CIELCh	70, 35.729, 201.202
Yxy	41.0745, 0.2302, 0.3210
Android (android.graphics.Color)	4281777602 (0xFF36BDC2)
YUV	149.2050, 22.0839, -83.4948
Hunter-Lab	64.0894, -30.1166, -8.2644




Details

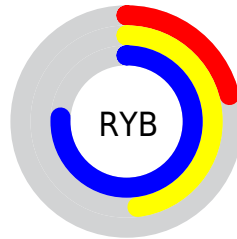
The Yxy color **41.0745, 0.2302, 0.3210** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **14.8624, 0.5513, 0.3347**, and the grayscale version is **30.0715, 0.3127, 0.3290**.




A 20% lighter version of the original color is **76.9512, 0.2453, 0.3241**, and **19.2214, 0.2217, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **40.3443, 0.2257, 0.3198**, and if you desaturate by 10%, it is **42.0231, 0.2366, 0.3222**.

Distribution







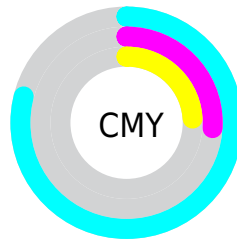
-  Red (21%)
-  Green (74%)
-  Blue (76%)






-  Red (21%)
-  Yellow (48%)
-  Blue (76%)



-  Cyan (72%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (24%)




-  Cyan (79%)
-  Magenta (26%)
-  Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0745, 0.2302, 0.3210 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 41.0745, 0.2302, 0.3210 by changing the saturation by 10% instead.


 41.0745, 0.2302,
0.3210


 41.0745, 0.2302,
0.3210


350.6319, 0.2711,
0.3263

 28.3773, 0.2202,
0.3193


 76.7970, 0.2449,
0.3232


 18.6103, 0.2075,
0.3168


 100.5910, 0.2505,
0.3240


 11.3890, 0.1909,
0.3130


 128.8529, 0.2552,
0.3246

 6.3291, 0.1685,
0.3069

 161.9668, 0.2593,
0.3251

 3.0462, 0.1370,
0.2961

 200.3173, 0.2628,
0.3255

 1.1559, 0.0643,
0.2823

244.2887, 0.2659,

 0.0253, 0.0000,

0.3258

0.0264

294.2654, 0.2687,
0.3261

0.0000, 0.0000,
0.0000

41.0745, 0.2302,
0.3210

41.0745, 0.2302,
0.3210

40.3443, 0.2257,
0.3198

42.0231, 0.2366,
0.3222

39.8007, 0.2229,
0.3186

43.2084, 0.2450,
0.3234

39.4673, 0.2216,
0.3177

44.6517, 0.2551,
0.3246

46.3707, 0.2668,
0.3257

48.3818, 0.2800,
0.3268

■ 50.6997, 0.2943,
0.3278

■ 53.3384, 0.3093,
0.3288

■ 56.3111, 0.3249,
0.3297

■ 59.6299, 0.3408,
0.3305

Harmonies

Analogous

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



41.0745, 0.2631, 0.3735



41.0745, 0.2302, 0.3210



41.0745, 0.2184, 0.2769

Triad

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



41.0745, 0.2302, 0.3210



41.0745, 0.3075, 0.2605



41.0745, 0.4011, 0.4039

Complementary

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



41.0745, 0.2302, 0.3210



14.8624, 0.5513, 0.3347

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.



41.0745, 0.4169, 0.3680



41.0745, 0.2302, 0.3210



41.0745, 0.3605, 0.2889

Square

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



41.0745, 0.2302, 0.3210



41.0745, 0.2600, 0.2469



41.0745, 0.4020, 0.3270



41.0745, 0.3617, 0.4231

Rectangle

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



41.0745, 0.2302, 0.3210



41.0745, 0.2230, 0.2578



41.0745, 0.4020, 0.3270



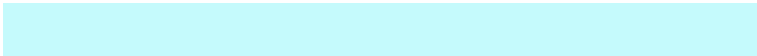
41.0745, 0.4095, 0.3932

Sweetspot

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



41.0760, 0.2302, 0.3210



87.5727, 0.2798, 0.3268



39.6884, 0.3004, 0.5521



18.9453, 0.2760, 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.



41.0760, 0.2302, 0.3210



72.4290, 0.2238, 0.3191



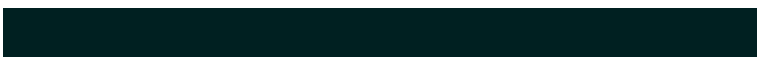
17.9475, 0.2001, 0.2007



11.3645, 0.2984, 0.3281



25.9685, 0.2216, 0.3179



1.1416, 0.2224, 0.3205

Inverse Universe

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



17.7799, 0.3263, 0.1771



28.4243, 0.3287, 0.1632



27.3475, 0.4711, 0.4194



10.2411, 0.3143, 0.3071



9.9038, 0.3300, 0.1591



0.4299, 0.3278, 0.1579

Previews

White Background



This preview shows how the Yxy color 41.0745, 0.2302, 0.3210 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 41.0745, 0.2302, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

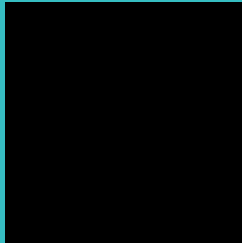
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

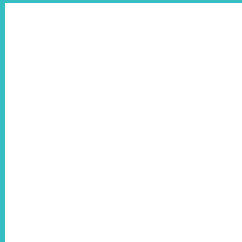
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0745, 0.2302, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 41.0745, 0.2302, 0.3210.

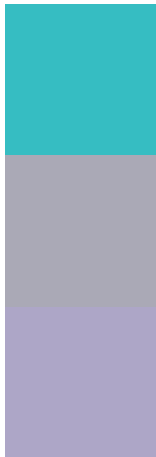


This preview shows how white text looks on a background with the Yxy color 41.0745, 0.2302, 0.3210.

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

41.0745, 0.2302, 0.3210

Protanopia

40.2994, 0.3028, 0.3112

Deuteranopia

40.2802, 0.2918, 0.2855



Tritanopia

41.2389, 0.2273, 0.3061

Trichromacy



Original Color

41.0745, 0.2302, 0.3210



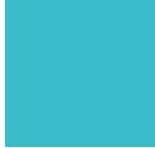
Protanomaly

39.1850, 0.2669, 0.3141



Deuteranomaly

39.0491, 0.2607, 0.2958



Tritanomaly

41.0361, 0.2282, 0.3105

Monochromacy



Original Color

41.0745, 0.2302, 0.3210



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.8449, 0.2691, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0745, 0.2302, 0.3210 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(54, 189, 194)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 194)  
}
```

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(54, 189, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 194) }
```

Border

The CSS property to change the border of an element to Yxy 41.0745, 0.2302, 0.3210 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(54, 189, 194) }
```

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

```
.border{ border-color:rgb(54, 189, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 189, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 189, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 189, 194); box-shadow:4px 4px 4px 4px rgb(54, 189, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0745, 0.2302, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 189, 194) }
```

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

```
.background{ background-color: rgb(54, 189,  
194) }
```

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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