

Converting Colors

$Yxy(41.5194, 0.2286, 0.3207)$

Have a look what the booklet for
Yxy(41.5194, 0.2286, 0.3207)
contains.

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Color

Yxy(41.3954, 0.2286, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	30BEC3
RGB	48, 190, 195
RGB Percent	19%, 75%, 76%
CMY	0.8123, 0.2549, 0.2352
CMYK	0.75, 0.03, 0.00, 0.24
HSL	182°, 61%, 48%
HSV	182°, 75%, 76%
XYZ	29.4797, 41.3954, 58.0825
YIQ	148.1120, -86.2370, -28.5490

Conversions

Conversions Part 2

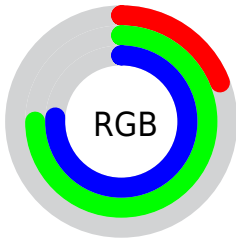
Format	Color
R_{YB}	48, 120, 195
Decimal	3194563
CIE _{Lab}	70.45, -34.19, -13.15
CIE _{LCh}	70, 36.626, 201.037
Yxy	41.3954, 0.2286, 0.3210
Android (android.graphics.Color)	4281384643 (0xFF30BEC3)
YUV	148.1120, 23.1158, -87.7982
Hunter-Lab	64.3393, -30.8065, -8.4868

Details

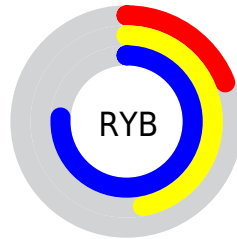
The Yxy color **41.3954, 0.2286, 0.3210** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **14.3529, 0.5662, 0.3343**, and the grayscale version is **29.5763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4717, 0.2436, 0.3230**, and **19.5314, 0.2217, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **40.7364, 0.2247, 0.3199**, and if you desaturate by 10%, it is **42.2669, 0.2344, 0.3221**.

Distribution



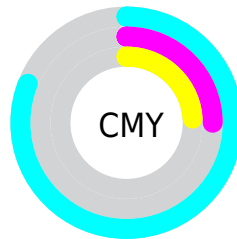
- Red (19%)
- Green (75%)
- Blue (76%)



- Red (19%)
- Yellow (47%)
- Blue (76%)



- Cyan (75%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)




- Cyan (81%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3954, 0.2286, 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 41.3954, 0.2286, 0.3210 by changing the saturation by 10% instead.

 41.3954, 0.2286,
0.3210


 41.3954, 0.2286,
0.3210


351.9705, 0.2702,
0.3264

 28.6282, 0.2184,
0.3192


 77.2838, 0.2436,
0.3233


 18.7997, 0.2056,
0.3167


 101.1737, 0.2492,
0.3240

 11.5257, 0.1888,
0.3129


 129.5400, 0.2541,
0.3246

 6.4216, 0.1663,
0.3068

 162.7670, 0.2582,
0.3251

 3.1031, 0.1347,
0.2958

 201.2392, 0.2618,
0.3255

 1.1858, 0.0630,
0.2816

245.3409, 0.2649,

 0.0500, 0.0000,

0.3258

0.0489

295.4565, 0.2677,
0.3261

■ 0.0000, 0.0000,
0.0000

■ 41.3954, 0.2286,
0.3210

■ 41.3954, 0.2286,
0.3210

■ 40.7364, 0.2247,
0.3199

■ 42.2669, 0.2344,
0.3221

■ 40.2554, 0.2225,
0.3188

■ 43.3707, 0.2421,
0.3233

■ 40.0689, 0.2217,
0.3183

■ 44.7291, 0.2516,
0.3244

■ 46.3609, 0.2629,
0.3255

■ 48.2829, 0.2756,
0.3266

■ 50.5107, 0.2895,
0.3276

■ 53.0585, 0.3043,
0.3285

■ 55.9401, 0.3198,
0.3294

■ 59.1679, 0.3356,
0.3302

Harmonies

Analogous

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



41.3954, 0.2622, 0.3748



41.3954, 0.2286, 0.3210



41.3954, 0.2165, 0.2759

Triad

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



41.3954, 0.2286, 0.3210



41.3954, 0.3070, 0.2590



41.3954, 0.4031, 0.4052

Complementary

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



41.3954, 0.2286, 0.3210



14.3529, 0.5662, 0.3343

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.



41.3954, 0.4192, 0.3684



41.3954, 0.2286, 0.3210



41.3954, 0.3613, 0.2879

Square

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



41.3954, 0.2286, 0.3210



41.3954, 0.2586, 0.2452



41.3954, 0.4039, 0.3266



41.3954, 0.3629, 0.4252

Rectangle

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



41.3954, 0.2286, 0.3210



41.3954, 0.2211, 0.2564



41.3954, 0.4039, 0.3266



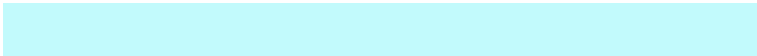
41.3954, 0.4117, 0.3942

Sweetspot

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



41.3969, 0.2286, 0.3210



87.2407, 0.2784, 0.3268



39.9229, 0.3001, 0.5606



18.8044, 0.2735, 0.3264



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.



41.3969, 0.2286, 0.3210



72.3071, 0.2230, 0.3191



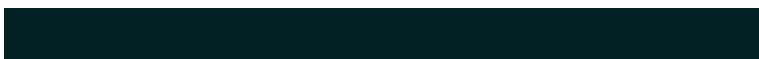
17.1809, 0.1961, 0.1939



11.3676, 0.2984, 0.3282



26.0602, 0.2218, 0.3184



1.1447, 0.2225, 0.3209

Inverse Universe

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



17.4260, 0.3265, 0.1732



27.9503, 0.3288, 0.1611



26.8288, 0.4794, 0.4210



10.2414, 0.3143, 0.3071



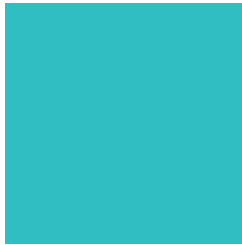
9.9130, 0.3295, 0.1589



0.4302, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 41.3954, 0.2286, 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 41.3954, 0.2286, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

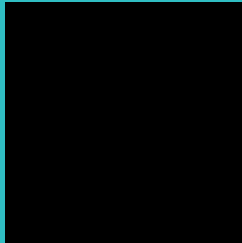
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

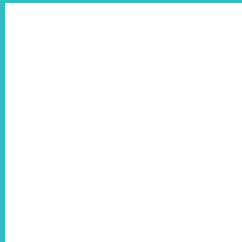
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3954, 0.2286, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 41.3954, 0.2286, 0.3210.

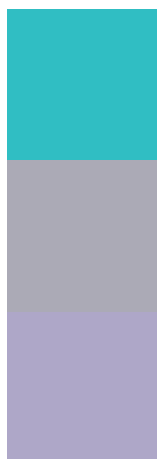


This preview shows how white text looks on a background with the Yxy color 41.3954, 0.2286, 0.3210.

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

41.3954, 0.2286, 0.3210

Protanopia

40.7848, 0.3037, 0.3127

Deuteranopia

40.8062, 0.2920, 0.2857



Tritanopia

41.5671, 0.2259, 0.3062

Trichromacy



Original Color

41.3954, 0.2286, 0.3210



Protanomaly

39.4678, 0.2650, 0.3141



Deuteranomaly

39.3264, 0.2589, 0.2958



Tritanomaly

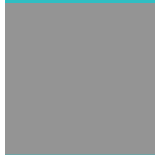
41.3423, 0.2265, 0.3105

Monochromacy



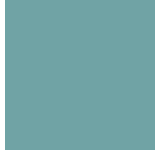
Original Color

41.3954, 0.2286, 0.3210



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.3557, 0.2674, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3954, 0.2286, 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(48, 190, 195)` looks like.

```
.text, #text, p{  
  color:rgb(48, 190, 195)  
}
```

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, 190, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 190, 195) }
```

Border

The CSS property to change the border of an element to Yxy 41.3954, 0.2286, 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(48, 190, 195) }
```

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

```
.border{ border-color:rgb(48, 190, 195) }
```

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

Here you see how a box with a 4 pixel rgb(48, 190, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 190, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 190, 195);  
box-shadow:4px 4px 4px 4px rgb(48, 190,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3954, 0.2286, 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(48, 190, 195) }
```

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

```
.background{ background-color: rgb(48, 190,  
195) }
```

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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