

Converting Colors

$Yxy(40.1909, 0.2251, 0.3096)$

Have a look what the booklet for
Yxy(40.1909, 0.2251, 0.3096)
contains.

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Color

Yxy(40.2685, 0.2254, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	2FBBC7
RGB	47, 187, 199
RGB Percent	18%, 73%, 78%
CMY	0.8155, 0.2667, 0.2197
CMYK	0.76, 0.06, 0.00, 0.22
HSL	185°, 62%, 48%
HSV	185°, 76%, 78%
XYZ	29.2508, 40.2685, 60.2535
YIQ	146.5080, -87.2920, -25.9480

Conversions

Conversions Part 2

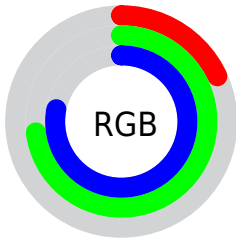
Format	Color
R _Y B	47, 120, 199
Decimal	3128263
CIE Lab	69.66, -31.65, -16.51
CIE LCh	70, 35.698, 207.546
Yxy	40.2685, 0.2254, 0.3103
Android (android.graphics.Color)	4281318343 (0xFF2FBBC7)
YUV	146.5080, 25.8786, -87.2685
Hunter-Lab	63.4575, -28.7708, -11.8762

Details

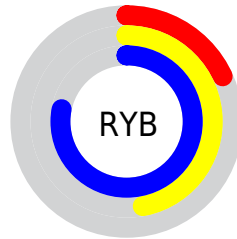
The Yxy color **40.2685, 0.2254, 0.3103** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.4756, 0.5641, 0.3406**, and the grayscale version is **28.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7729, 0.2413, 0.3159**, and **18.8194, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **39.2375, 0.2211, 0.3076**, and if you desaturate by 10%, it is **41.5252, 0.2316, 0.3130**.

Distribution



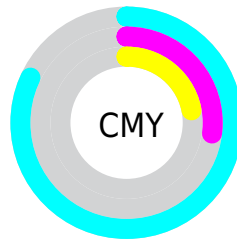
- Red (18%)
- Green (73%)
- Blue (78%)



- Red (18%)
- Yellow (47%)
- Blue (78%)



- Cyan (76%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2685, 0.2254, 0.3103 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 40.2685, 0.2254, 0.3103 by changing the saturation by 10% instead.


 40.2685, 0.2254,
0.3103


 40.2685, 0.2254,
0.3103

347.2540, 0.2686,
0.3212


 27.7480, 0.2149,
0.3071


 75.5722, 0.2409,
0.3146

 18.1357, 0.2016,
0.3027


 99.1241, 0.2468,
0.3162


 11.0475, 0.1842,
0.2963


 127.1220, 0.2518,
0.3174

 6.0988, 0.1610,
0.2866

 159.9502, 0.2561,
0.3184

 2.9052, 0.1287,
0.2704

 197.9931, 0.2599,
0.3193

 1.0825, 0.0557,
0.2473

241.6351, 0.2631,

 0.0000, 0.0000,

0.3200

0.0000

291.2606, 0.2660,
0.3207

■ 40.2685, 0.2254,
0.3103

■ 40.2685, 0.2254,
0.3103

■ 39.2375, 0.2211,
0.3076

■ 41.5252, 0.2316,
0.3130

■ 38.3944, 0.2185,
0.3050

■ 43.0292, 0.2397,
0.3157

■ 38.1111, 0.2178,
0.3040

■ 44.8043, 0.2496,
0.3183

■ 46.8702, 0.2611,
0.3209

■ 49.2449, 0.2740,
0.3233

■ 51.9447, 0.2881,
0.3256

■ 54.9850, 0.3030,
0.3277

■ 58.3800, 0.3184,
0.3297

■ 62.1431, 0.3340,
0.3315

Harmonies

Analogous

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



40.2685, 0.2543, 0.3628



40.2685, 0.2254, 0.3103



40.2685, 0.2183, 0.2695

Triad

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



40.2685, 0.2254, 0.3103



40.2685, 0.3188, 0.2651



40.2685, 0.3948, 0.4103

Complementary

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



40.2685, 0.2254, 0.3103



15.4756, 0.5641, 0.3406

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.



40.2685, 0.4166, 0.3766



40.2685, 0.2254, 0.3103



40.2685, 0.3712, 0.2962

Square

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



40.2685, 0.2254, 0.3103



40.2685, 0.2687, 0.2479



40.2685, 0.4083, 0.3356



40.2685, 0.3516, 0.4243

Rectangle

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



40.2685, 0.2254, 0.3103



40.2685, 0.2260, 0.2533



40.2685, 0.4083, 0.3356



40.2685, 0.4050, 0.4005

Sweetspot

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



40.2700, 0.2254, 0.3103



87.6074, 0.2782, 0.3240



41.7420, 0.2984, 0.5577



18.3980, 0.2732, 0.3232



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.



40.2700, 0.2254, 0.3103



67.6528, 0.2191, 0.3058



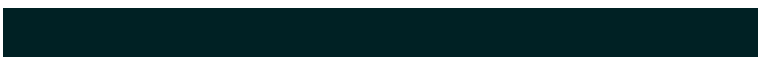
16.5120, 0.1926, 0.1831



11.9189, 0.2984, 0.3271



24.5700, 0.2179, 0.3044



1.2069, 0.2194, 0.3099

Inverse Universe

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



17.7641, 0.3354, 0.1777



27.8598, 0.3402, 0.1671



29.1593, 0.4758, 0.4273



10.8016, 0.3150, 0.3080



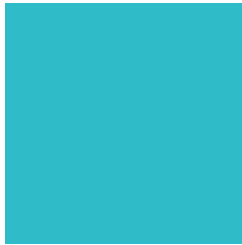
10.0204, 0.3416, 0.1655



0.4789, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 40.2685, 0.2254, 0.3103 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 40.2685, 0.2254, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

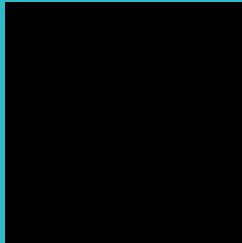
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

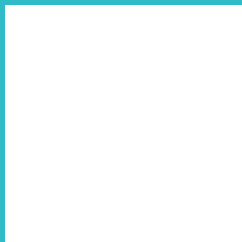
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2685, 0.2254, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 40.2685, 0.2254, 0.3103.



This preview shows how white text looks on a background with the Yxy color 40.2685, 0.2254, 0.3103.

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

40.2685, 0.2254, 0.3103

Protanopia

39.7659, 0.2970, 0.3044

Deuteranopia

39.5947, 0.2838, 0.2774



Tritanopia

40.4579, 0.2245, 0.3059

Trichromacy



Original Color

40.2685, 0.2254, 0.3103



Protanomaly

38.6325, 0.2600, 0.3053



Deuteranomaly

38.4365, 0.2534, 0.2871



Tritanomaly

40.3861, 0.2247, 0.3073

Monochromacy



Original Color

40.2685, 0.2254, 0.3103



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.9733, 0.2657, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2685, 0.2254, 0.3103 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(47, 187, 199)` looks like.

```
.text, #text, p{  
    color:rgb(47, 187, 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(47, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 187, 199) }
```

Border

The CSS property to change the border of an element to Yxy 40.2685, 0.2254, 0.3103 is called "border". The border property can be set on classes, ids or directly on the HTML element.

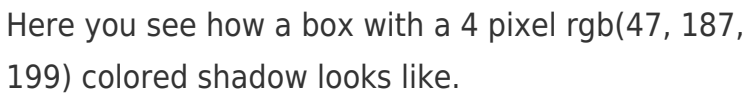
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 187, 199) }
```

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

```
.border{ border-color:rgb(47, 187, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 187, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 187, 199); box-shadow:4px 4px 4px 4px rgb(47, 187, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2685, 0.2254, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 187, 199) }
```

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

```
.background{ background-color: rgb(47, 187,  
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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