

Converting Colors

$Y_{xy}(39.9755, 0.2268, 0.3256)$

Have a look what the booklet for
Yxy(39.9755, 0.2268, 0.3256)
contains.

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Color

Yxy(39.9755, 0.2268, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	1FBCBE
RGB	31, 188, 190
RGB Percent	12%, 74%, 75%
CMY	0.8776, 0.2628, 0.2550
CMYK	0.84, 0.01, 0.00, 0.25
HSL	181°, 72%, 43%
HSV	181°, 84%, 75%
XYZ	27.8453, 39.9755, 54.9540
YIQ	141.2850, -94.2140, -32.6620

Conversions

Conversions Part 2

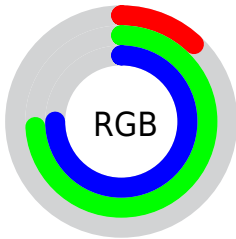
Format	Color
R _Y B	31, 110, 190
Decimal	2079934
CIE Lab	69.45, -36.25, -11.91
CIE LCh	69, 38.154, 198.182
Yxy	39.9755, 0.2268, 0.3256
Android (android.graphics.Color)	4280270014 (0xFF1FBCBE)
YUV	141.2850, 24.0165, -96.7199
Hunter-Lab	63.2262, -32.0329, -7.2745

Details

The Yxy color **39.9755, 0.2268, 0.3256** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.1435, 0.6008, 0.3312**, and the grayscale version is **26.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2736, 0.2425, 0.3276**, and **18.8563, 0.2229, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **39.6607, 0.2245, 0.3252**, and if you desaturate by 10%, it is **40.4674, 0.2308, 0.3260**.

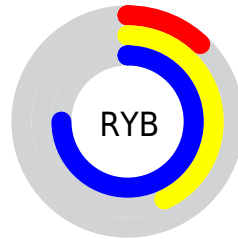
Distribution



Red (12%)

Green (74%)

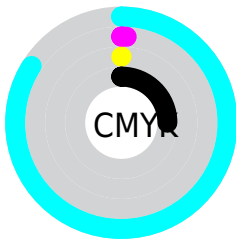
Blue (75%)



Red (12%)

Yellow (43%)

Blue (75%)

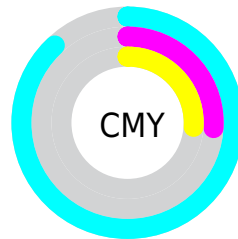


Cyan (84%)

Magenta (1%)

Yellow (0%)

Black (25%)



Cyan (88%)


Magenta (26%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9755, 0.2268, 0.3256 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 39.9755, 0.2268, 0.3256 by changing the saturation by 10% instead.


 39.9755, 0.2268,
0.3256


 39.9755, 0.2268,
0.3256


346.0203, 0.2696,
0.3286


 27.5194, 0.2163,
0.3244


 75.1262, 0.2422,
0.3270

 17.9637, 0.2029,
0.3226


 98.5896, 0.2481,
0.3275

 10.9239, 0.1855,
0.3196


 126.4910, 0.2530,
0.3278

 6.0157, 0.1618,
0.3146

 159.2147, 0.2573,
0.3281

 2.8546, 0.1287,
0.3050

 197.1450, 0.2610,
0.3283

 1.0563, 0.0311,
0.2993

240.6665, 0.2642,

 0.0000, 0.0000,

0.3284

0.0000

290.1634, 0.2670,
0.3285

■ 39.9755, 0.2268,
0.3256

■ 39.9755, 0.2268,
0.3256

■ 39.6607, 0.2245,
0.3252

■ 40.4674, 0.2308,
0.3260

■ 39.5159, 0.2236,
0.3249

■ 41.1586, 0.2367,
0.3264

■ 42.0724, 0.2445,
0.3269

■ 43.2282, 0.2541,
0.3273

■ 44.6430, 0.2655,
0.3277

■ 46.3324, 0.2783,
0.3281

■ 48.3107, 0.2923,
0.3285

■ 50.5913, 0.3072,
0.3289

■ 53.1866, 0.3228,
0.3292

Harmonies

Analogous

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



39.9755, 0.2638, 0.3825



39.9755, 0.2268, 0.3256



39.9755, 0.2121, 0.2766

Triad

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



39.9755, 0.2268, 0.3256



39.9755, 0.3012, 0.2536



39.9755, 0.4106, 0.4056

Complementary

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



39.9755, 0.2268, 0.3256



12.1435, 0.6008, 0.3312

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.



39.9755, 0.4248, 0.3658



39.9755, 0.2268, 0.3256



39.9755, 0.3586, 0.2824

Square

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



39.9755, 0.2268, 0.3256



39.9755, 0.2518, 0.2408



39.9755, 0.4056, 0.3220



39.9755, 0.3700, 0.4296

Rectangle

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



39.9755, 0.2268, 0.3256



39.9755, 0.2154, 0.2549



39.9755, 0.4056, 0.3220



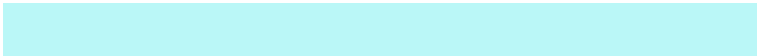
39.9755, 0.4188, 0.3934

Sweetspot

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



39.9770, 0.2268, 0.3256



83.3778, 0.2758, 0.3281



37.2147, 0.3008, 0.5822



18.0642, 0.2712, 0.3279



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9770, 0.2268, 0.3256



71.5919, 0.2236, 0.3249



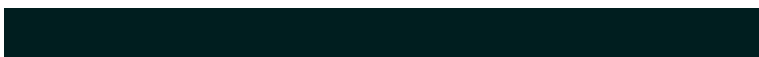
15.2921, 0.1899, 0.1873



10.7885, 0.2985, 0.3287



26.2899, 0.2236, 0.3250



1.0364, 0.2239, 0.3259

Inverse Universe

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



15.5666, 0.3231, 0.1633



26.3850, 0.3241, 0.1559



22.3258, 0.5056, 0.4162



9.6942, 0.3140, 0.3067



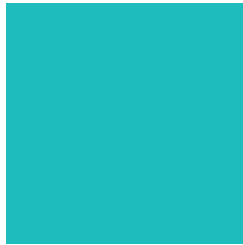
9.6837, 0.3240, 0.1559



0.3800, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 39.9755, 0.2268, 0.3256 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 39.9755, 0.2268, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

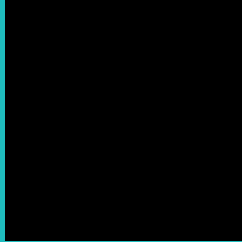
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

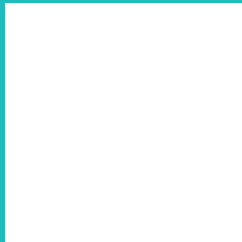
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9755, 0.2268, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 39.9755, 0.2268, 0.3256.

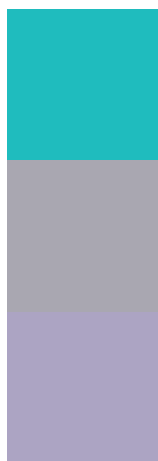


This preview shows how white text looks on a background with the Yxy color 39.9755, 0.2268, 0.3256.

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

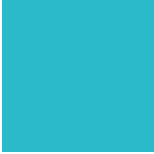
39.9755, 0.2268, 0.3256

Protanopia

39.2468, 0.3061, 0.3152

Deuteranopia

39.2617, 0.2941, 0.2876



Tritanopia

39.8484, 0.2232, 0.3057

Trichromacy



Original Color

39.9755, 0.2268, 0.3256



Protanomaly

37.9593, 0.2631, 0.3183



Deuteranomaly

37.8023, 0.2570, 0.2993



Tritanomaly

40.0032, 0.2246, 0.3132

Monochromacy



Original Color

39.9755, 0.2268, 0.3256



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.7236, 0.2625, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9755, 0.2268, 0.3256 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(31, 188, 190)` looks like.

```
.text, #text, p{  
  color:rgb(31, 188, 190)  
}
```

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(31, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 188, 190) }
```

Border

The CSS property to change the border of an element to Yxy 39.9755, 0.2268, 0.3256 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(31, 188, 190) }
```

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

```
.border{ border-color:rgb(31, 188, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 188, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(31, 188,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9755, 0.2268, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 188, 190) }
```

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

```
.background{ background-color: rgb(31, 188,  
190) }
```

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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