

Converting Colors

$Y_{xy}(39.7336, 0.2273, 0.3224)$

Have a look what the booklet for
Yxy(39.7336, 0.2273, 0.3224)
contains.

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Color

Yxy(39.7336, 0.2273, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	27BBBF
RGB	39, 187, 191
RGB Percent	15%, 73%, 75%
CMY	0.8470, 0.2667, 0.2509
CMYK	0.80, 0.02, 0.00, 0.25
HSL	182°, 66%, 45%
HSV	182°, 80%, 75%
XYZ	28.0132, 39.7336, 55.4964
YIQ	143.2040, -89.4920, -30.1320

Conversions

Conversions Part 2

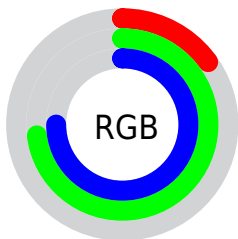
Format	Color
R_{YB}	39, 114, 191
Decimal	2603967
CIE _{Lab}	69.28, -34.84, -12.73
CIE _{LCh}	69, 37.090, 200.066
Yxy	39.7336, 0.2273, 0.3224
Android (android.graphics.Color)	4280794047 (0xFF27BBBF)
YUV	143.2040, 23.5634, -91.3869
Hunter-Lab	63.0346, -30.9834, -8.0754

Details

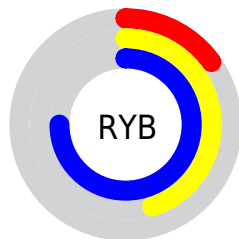
The Yxy color **39.7336, 0.2273, 0.3224** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.9569, 0.5841, 0.3330**, and the grayscale version is **27.4879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9275, 0.2428, 0.3252**, and **18.6100, 0.2217, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **39.2370, 0.2242, 0.3215**, and if you desaturate by 10%, it is **40.4215, 0.2322, 0.3233**.

Distribution



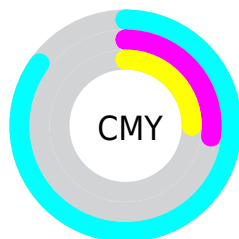
- Red (15%)
- Green (73%)
- Blue (75%)



- Red (15%)
- Yellow (45%)
- Blue (75%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)




- Cyan (85%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7336, 0.2273, 0.3224 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 39.7336, 0.2273, 0.3224 by changing the saturation by 10% instead.


 39.7336, 0.2273,
0.3224


 39.7336, 0.2273,
0.3224


344.9995, 0.2698,
0.3271


 27.3309, 0.2168,
0.3208


 74.7577, 0.2427,
0.3244

 17.8219, 0.2036,
0.3184


 98.1478, 0.2485,
0.3251

 10.8222, 0.1862,
0.3147


 125.9693, 0.2534,
0.3256

 5.9474, 0.1626,
0.3087

 158.6064, 0.2576,
0.3260

 2.8131, 0.1296,
0.2976

 196.4436, 0.2613,
0.3264

 1.0350, 0.0351,
0.2882

239.8652, 0.2645,

 0.0000, 0.0000,

0.3267

0.0000

289.2557, 0.2673,
0.3269

■ 39.7336, 0.2273,
0.3224

■ 39.7336, 0.2273,
0.3224

■ 39.2370, 0.2242,
0.3215

■ 40.4215, 0.2322,
0.3233

■ 38.8810, 0.2225,
0.3207

■ 41.3211, 0.2391,
0.3242

■ 38.8667, 0.2224,
0.3207

■ 42.4550, 0.2478,
0.3251

■ 43.8416, 0.2582,
0.3259

■ 45.4977, 0.2703,
0.3268

■ 47.4385, 0.2837,
0.3276

■ 49.6780, 0.2982,
0.3283

■ 52.2295, 0.3134,
0.3290

■ 55.1053, 0.3291,
0.3297

Harmonies

Analogous

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



39.7336, 0.2623, 0.3778



39.7336, 0.2273, 0.3224



39.7336, 0.2143, 0.2756

Triad

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



39.7336, 0.2273, 0.3224



39.7336, 0.3050, 0.2566



39.7336, 0.4064, 0.4060

Complementary

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



39.7336, 0.2273, 0.3224



12.9569, 0.5841, 0.3330

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.



39.7336, 0.4220, 0.3678



39.7336, 0.2273, 0.3224



39.7336, 0.3608, 0.2857

Square

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



39.7336, 0.2273, 0.3224



39.7336, 0.2559, 0.2431



39.7336, 0.4053, 0.3250



39.7336, 0.3656, 0.4276

Rectangle

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



39.7336, 0.2273, 0.3224



39.7336, 0.2184, 0.2553



39.7336, 0.4053, 0.3250



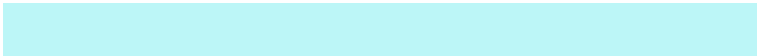
39.7336, 0.4149, 0.3944

Sweetspot

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



39.7351, 0.2273, 0.3224



83.2035, 0.2771, 0.3272



37.8679, 0.3005, 0.5724



18.0021, 0.2723, 0.3269



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.



39.7351, 0.2273, 0.3224



69.8050, 0.2230, 0.3210



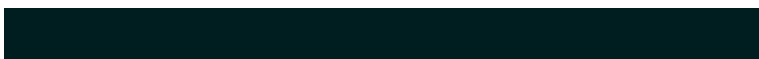
15.8906, 0.1927, 0.1903



10.7650, 0.2985, 0.3283



25.5551, 0.2224, 0.3208



1.0148, 0.2230, 0.3228

Inverse Universe

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



16.1196, 0.3256, 0.1683



26.4684, 0.3273, 0.1589



24.0783, 0.4924, 0.4192



9.6918, 0.3142, 0.3070



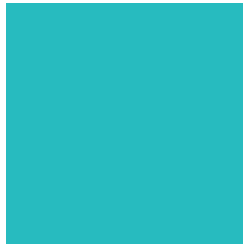
9.6095, 0.3276, 0.1578



0.3778, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 39.7336, 0.2273, 0.3224 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 39.7336, 0.2273, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

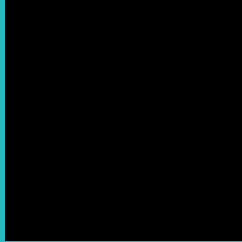
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

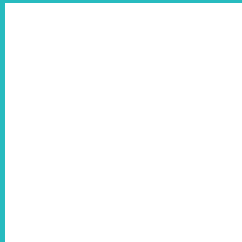
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7336, 0.2273, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 39.7336, 0.2273, 0.3224.



This preview shows how white text looks on a background with the Yxy color 39.7336, 0.2273, 0.3224.

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

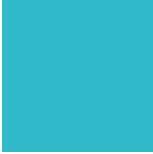
39.7336, 0.2273, 0.3224

Protanopia

39.1766, 0.3044, 0.3138

Deuteranopia

39.1944, 0.2924, 0.2863



Tritanopia

39.9632, 0.2243, 0.3057

Trichromacy



Original Color

39.7336, 0.2273, 0.3224



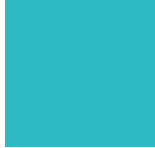
Protanomaly

37.7559, 0.2636, 0.3153



Deuteranomaly

37.6110, 0.2575, 0.2965



Tritanomaly

39.7069, 0.2254, 0.3117

Monochromacy



Original Color

39.7336, 0.2273, 0.3224



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.3376, 0.2650, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7336, 0.2273, 0.3224 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(39, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(39, 187, 191)  
}
```

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(39, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 187, 191) }
```

Border

The CSS property to change the border of an element to Yxy 39.7336, 0.2273, 0.3224 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(39, 187, 191) }
```

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

```
.border{ border-color:rgb(39, 187, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 187, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(39, 187,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7336, 0.2273, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 187, 191) }
```

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

```
.background{ background-color: rgb(39, 187,  
191) }
```

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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