

Converting Colors

$Y_{xy}(37.5333, 0.2246, 0.3286)$

Have a look what the booklet for
Yxy(37.5333, 0.2246, 0.3286)
contains.

Yxy(37.7417, 0.2247, 0.3287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7417, 0.2247, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	01B8B8
RGB	1, 184, 184
RGB Percent	0%, 72%, 72%
CMY	0.9969, 0.2785, 0.2784
CMYK	1.00, 0.00, 0.00, 0.28
HSL	180°, 99%, 36%
HSV	180°, 100%, 72%
XYZ	25.8003, 37.7417, 51.2791
YIQ	129.2830, -109.0680, -38.7960

Conversions

Conversions Part 2

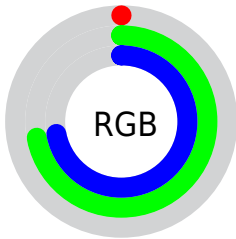
Format	Color
R _Y B	1, 93, 184
Decimal	112824
CIE Lab	67.83, -37.59, -11.07
CIE LCh	68, 39.190, 196.409
Yxy	37.7417, 0.2247, 0.3287
Android (android.graphics.Color)	4278302904 (0xFF01B8B8)
YUV	129.2830, 26.9755, -112.5042
Hunter-Lab	61.4343, -32.5461, -6.4853

Details

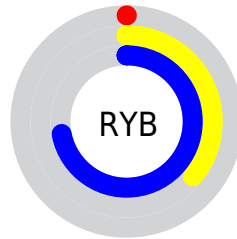
The Yxy color **37.7417, 0.2247, 0.3287** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.2115, 0.6393, 0.3300**, and the grayscale version is **21.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9686, 0.2410, 0.3300**, and **17.6040, 0.2240, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **37.7379, 0.2246, 0.3287**, and if you desaturate by 10%, it is **37.8794, 0.2262, 0.3287**.

Distribution



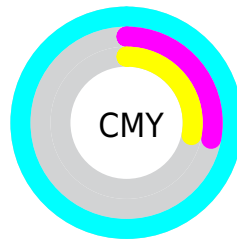
- Red (0%)
- Green (72%)
- Blue (72%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7417, 0.2247, 0.3287 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 37.7417, 0.2247, 0.3287 by changing the saturation by 10% instead.


 37.7417, 0.2247,
0.3287

 37.7417, 0.2247,
0.3287


336.5106, 0.2689,
0.3302

 25.7823, 0.2137,
0.3278


 71.7121, 0.2408,
0.3296

 16.6608, 0.1997,
0.3264


 94.4918, 0.2468,
0.3298


 9.9930, 0.1812,
0.3240


 121.6471, 0.2519,
0.3300

 5.3943, 0.1561,
0.3196

 153.5623, 0.2563,
0.3301

 2.4804, 0.1206,
0.3103

 190.6219, 0.2601,
0.3301

 0.8668, 0.0000,
0.3098

233.2102, 0.2634,

 0.0000, 0.0000,

0.3302

0.0000

281.7116, 0.2663,
0.3302

■ 37.7417, 0.2247,
0.3287

■ 37.7417, 0.2247,
0.3287

■ 37.7379, 0.2246,
0.3287

■ 37.8794, 0.2262,
0.3287

■ 38.1444, 0.2290,
0.3287

■ 38.5817, 0.2337,
0.3287

■ 39.2137, 0.2402,
0.3288

■ 40.0598, 0.2486,
0.3288

■ 41.1366, 0.2588,
0.3288

■ 42.4595, 0.2706,
0.3289

■ 44.0424, 0.2839,
0.3289

■ 45.8980, 0.2982,
0.3290

Harmonies

Analogous

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



37.7417, 0.2643, 0.3885



37.7417, 0.2247, 0.3287



37.7417, 0.2081, 0.2764

Triad

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



37.7417, 0.2247, 0.3287



37.7417, 0.2971, 0.2492



37.7417, 0.4167, 0.4065

Complementary

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



37.7417, 0.2247, 0.3287



10.2115, 0.6393, 0.3300

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.



37.7417, 0.4299, 0.3643



37.7417, 0.2247, 0.3287



37.7417, 0.3572, 0.2782

Square

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



37.7417, 0.2247, 0.3287



37.7417, 0.2466, 0.2370



37.7417, 0.4078, 0.3188



37.7417, 0.3753, 0.4335

Rectangle

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



37.7417, 0.2247, 0.3287



37.7417, 0.2106, 0.2531



37.7417, 0.4078, 0.3188



37.7417, 0.4248, 0.3934

Sweetspot

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



37.7431, 0.2247, 0.3287



76.7135, 0.2695, 0.3289



34.2934, 0.3000, 0.5997



16.3135, 0.2644, 0.3288



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.7431, 0.2247, 0.3287



68.3990, 0.2246, 0.3287



11.1910, 0.1775, 0.1586



10.2105, 0.2985, 0.3290



26.0046, 0.2246, 0.3287



0.9168, 0.2246, 0.3287

Inverse Universe

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



13.6695, 0.3209, 0.1543



24.7444, 0.3210, 0.1542



17.9183, 0.5398, 0.4092



9.1627, 0.3138, 0.3065



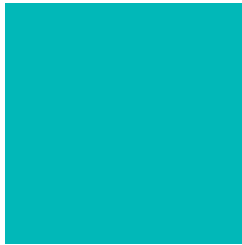
9.4075, 0.3210, 0.1542



0.3316, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.7417, 0.2247, 0.3287 looks on a white background.

Color Contrast Check

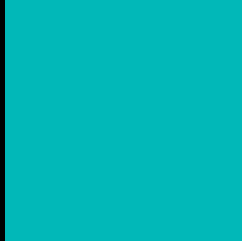
Large Text (above 18pt) WCAG AA × Fail

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 37.7417, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

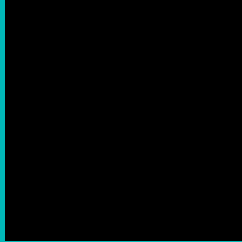
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

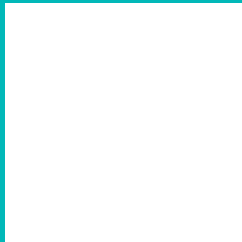
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7417, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 37.7417, 0.2247, 0.3287.

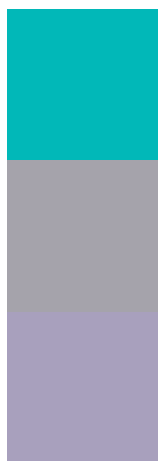


This preview shows how white text looks on a background with the Yxy color 37.7417, 0.2247, 0.3287.

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

37.7481, 0.2247, 0.3287

Protanopia

37.1340, 0.3077, 0.3177

Deuteranopia

37.1406, 0.2953, 0.2893



Tritanopia

37.8104, 0.2214, 0.3051

Trichromacy



Original Color

37.7481, 0.2247, 0.3287



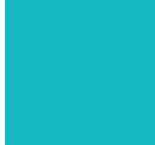
Protanomaly

35.2637, 0.2569, 0.3209



Deuteranomaly

35.0896, 0.2507, 0.3011



Tritanomaly

37.8322, 0.2223, 0.3143

Monochromacy



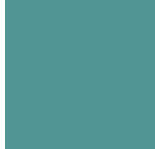
Original Color

37.7481, 0.2247, 0.3287



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.4587, 0.2538, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7417, 0.2247, 0.3287 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(1, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(1, 184, 184)  
}
```

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(1, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 184, 184) }
```

Border

The CSS property to change the border of an element to Yxy 37.7417, 0.2247, 0.3287 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(1, 184, 184) }
```

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

```
.border{ border-color:rgb(1, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(1, 184,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7417, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 184, 184) }
```

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

```
.background{ background-color: rgb(1, 184,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor