

Converting Colors

$Y_{xy}(30.8540, 0.2260, 0.3336)$

Have a look what the booklet for
Yxy(30.8540, 0.2260, 0.3336)
contains.

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Color

Yxy(30.7584, 0.2257, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	01A8A6
RGB	1, 168, 166
RGB Percent	0%, 66%, 65%
CMY	0.9975, 0.3412, 0.3490
CMYK	1.00, 0.00, 0.01, 0.34
HSL	179°, 99%, 33%
HSV	179°, 100%, 66%
XYZ	20.8913, 30.7584, 40.9125
YIQ	117.8390, -98.8900, -36.0260

Conversions

Conversions Part 2

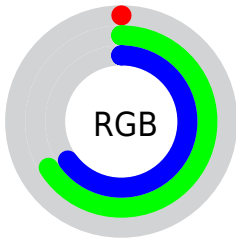
Format	Color
RYB	1, 85, 168
Decimal	108710
CIELab	62.30, -35.76, -9.32
CIELCh	62, 36.958, 194.599
Yxy	30.7584, 0.2257, 0.3323
Android (android.graphics.Color)	4278298790 (0xFF01A8A6)
YUV	117.8390, 23.7434, -102.4678
Hunter-Lab	55.4603, -29.8164, -4.9155

Details

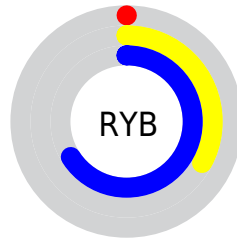
The Yxy color **30.7584, 0.2257, 0.3323** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3436, 0.6379, 0.3292**, and the grayscale version is **17.9745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9647, 0.2425, 0.3327**, and **13.4764, 0.2254, 0.3313** is the 20% darker color. If you saturate the color by 10%, you get **30.7551, 0.2257, 0.3323**, and if you desaturate by 10%, it is **30.8860, 0.2272, 0.3319**.

Distribution



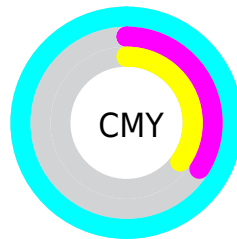
- Red (0%)
- Green (66%)
- Blue (65%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7584, 0.2257, 0.3323 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 30.7584, 0.2257, 0.3323 by changing the saturation by 10% instead.

 30.7584, 0.2257,
0.3323


 30.7584, 0.2257,
0.3323


 305.4237, 0.2710,
0.3318

 20.4149, 0.2139,
0.3319

 60.8595, 0.2425,
0.3325


 12.6970, 0.1986,
0.3311


 81.3859, 0.2487,
0.3324


 7.2203, 0.1778,
0.3293


 106.0755, 0.2540,
0.3323

 3.6002, 0.1486,
0.3253

 135.3125, 0.2584,
0.3322

 1.4525, 0.0927,
0.3196

 169.4815, 0.2622,
0.3321

 0.2550, 0.0000,
0.2154

 208.9667, 0.2655,

 0.0000, 0.0000,

0.3320

0.0000

254.1527, 0.2684,
0.3319

■ 30.7584, 0.2257,
0.3323

■ 30.7584, 0.2257,
0.3323

■ 30.7551, 0.2257,
0.3323

■ 30.8860, 0.2272,
0.3319

■ 31.1143, 0.2301,
0.3316

■ 31.4823, 0.2347,
0.3312

■ 32.0080, 0.2411,
0.3308

■ 32.7066, 0.2495,
0.3305

■ 33.5916, 0.2596,
0.3301

■ 34.6751, 0.2712,
0.3298

■ 35.9683, 0.2843,
0.3295

■ 37.4813, 0.2984,
0.3292

Harmonies

Analogous

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



30.7584, 0.2669, 0.3924



30.7584, 0.2257, 0.3323



30.7584, 0.2075, 0.2785

Triad

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



30.7584, 0.2257, 0.3323



30.7584, 0.2935, 0.2472



30.7584, 0.4194, 0.4048

Complementary

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



30.7584, 0.2257, 0.3323



8.3436, 0.6379, 0.3292

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.



30.7584, 0.4307, 0.3617



30.7584, 0.2257, 0.3323



30.7584, 0.3540, 0.2756

Square

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



30.7584, 0.2257, 0.3323



30.7584, 0.2435, 0.2361



30.7584, 0.4063, 0.3160



30.7584, 0.3789, 0.4336

Rectangle

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



30.7584, 0.2257, 0.3323



30.7584, 0.2091, 0.2541



30.7584, 0.4063, 0.3160



30.7584, 0.4269, 0.3914

Sweetspot

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



30.7595, 0.2257, 0.3323



62.7309, 0.2701, 0.3298



28.0257, 0.3004, 0.5993



13.4931, 0.2653, 0.3300



84.8088, 0.3127, 0.3290



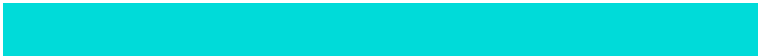
15.4872, 0.3127, 0.3290

Same Dimension

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



30.7595, 0.2257, 0.3323



55.8135, 0.2257, 0.3324



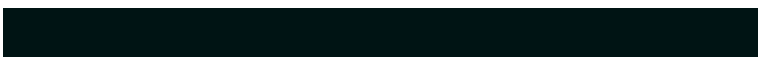
9.6646, 0.1793, 0.1652



8.5305, 0.2989, 0.3292



23.2282, 0.2256, 0.3323



0.5656, 0.2253, 0.3310

Inverse Universe

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



8.3436, 0.6379, 0.3292



15.1124, 0.6391, 0.3294



14.2889, 0.5437, 0.4061



7.5437, 0.3284, 0.3288



6.2904, 0.6384, 0.3291



0.1535, 0.6309, 0.3249

Previews

White Background



This preview shows how the Yxy color 30.7584, 0.2257, 0.3323 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 30.7584, 0.2257, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

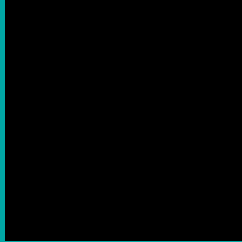
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7584, 0.2257, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 30.7584, 0.2257, 0.3323.

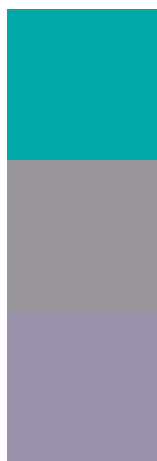


This preview shows how white text looks on a background with the Yxy color 30.7584, 0.2257, 0.3323.

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

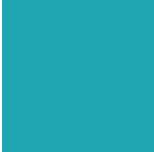
30.7649, 0.2257, 0.3323

Protanopia

30.4073, 0.3100, 0.3213

Deuteranopia

30.3681, 0.2974, 0.2918



Tritanopia

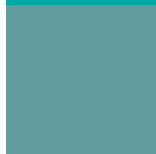
30.8342, 0.2223, 0.3064

Trichromacy



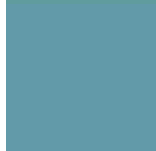
Original Color

30.7649, 0.2257, 0.3323



Protanomaly

28.7324, 0.2591, 0.3254



Deuteranomaly

28.5724, 0.2524, 0.3036



Tritanomaly

30.8529, 0.2233, 0.3165

Monochromacy



Original Color

30.7649, 0.2257, 0.3323



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.8534, 0.2551, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7584, 0.2257, 0.3323 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, 168, 166)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 166)  
}
```

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, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.7584, 0.2257, 0.3323 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, 168, 166) }
```

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

```
.border{ border-color:rgb(1, 168, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7584, 0.2257, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 166) }
```

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

```
.background{ background-color: rgb(1, 168,  
166) }
```

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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