

Converting Colors

$Y_{xy}(30.8244, 0.2217, 0.3182)$

Have a look what the booklet for
Yxy(30.8244, 0.2217, 0.3182)
contains.

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Color

Yxy(30.6546, 0.2217, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	00A7AD
RGB	0, 167, 173
RGB Percent	0%, 65%, 68%
CMY	1.0000, 0.3451, 0.3216
CMYK	1.00, 0.03, 0.00, 0.32
HSL	182°, 100%, 34%
HSV	182°, 100%, 68%
XYZ	21.3580, 30.6546, 44.3249
YIQ	117.7510, -101.4580, -33.5380

Conversions

Conversions Part 2

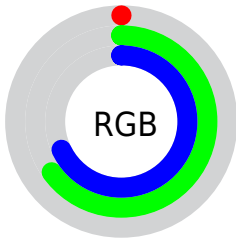
Format	Color
RYB	0, 85, 173
Decimal	42925
CIELab	62.21, -33.15, -13.37
CIELCh	62, 35.750, 201.967
Yxy	30.6546, 0.2217, 0.3182
Android (android.graphics.Color)	4278233005 (0xFF00A7AD)
YUV	117.7510, 27.2378, -103.2676
Hunter-Lab	55.3666, -28.0340, -8.7092

Details

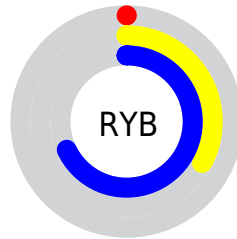
The Yxy color **30.6546, 0.2217, 0.3182** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0140, 0.6374, 0.3321**, and the grayscale version is **17.9735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8636, 0.2394, 0.3223**, and **13.4151, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **30.6578, 0.2217, 0.3182**, and if you desaturate by 10%, it is **30.9997, 0.2236, 0.3193**.

Distribution



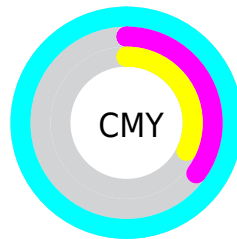
- Red (0%)
- Green (65%)
- Blue (68%)



- Red (0%)
- Yellow (33%)
- Blue (68%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (35%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6546, 0.2217, 0.3182 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 30.6546, 0.2217, 0.3182 by changing the saturation by 10% instead.


 30.6546, 0.2217,
0.3182


 30.6546, 0.2217,
0.3182


 304.9439, 0.2688,
0.3255


 20.3360, 0.2096,
0.3157


 60.6959, 0.2391,
0.3213

 12.6395, 0.1938,
0.3119


 81.1873, 0.2456,
0.3224


 7.1808, 0.1727,
0.3060


 105.8384, 0.2510,
0.3232

 3.5754, 0.1433,
0.2959

 135.0337, 0.2556,
0.3238

 1.4390, 0.0922,
0.2788

 169.1575, 0.2596,
0.3244

 0.2452, 0.0000,
0.1671

 208.5942, 0.2631,

 0.0000, 0.0000,

0.3248

0.0000

253.7282, 0.2661,
0.3252

■ 30.6546, 0.2217,
0.3182

■ 30.6546, 0.2217,
0.3182

■ 30.6578, 0.2217,
0.3182

■ 30.9997, 0.2236,
0.3193

■ 31.4491, 0.2268,
0.3204

■ 32.0482, 0.2319,
0.3216

■ 32.8163, 0.2387,
0.3227

■ 33.7701, 0.2475,
0.3239

■ 34.9240, 0.2579,
0.3250

■ 36.2911, 0.2700,
0.3261

■ 37.8835, 0.2833,
0.3271

■ 39.7122, 0.2976,
0.3281

Harmonies

Analogous

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



30.6546, 0.2568, 0.3768



30.6546, 0.2217, 0.3182



30.6546, 0.2098, 0.2703

Triad

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



30.6546, 0.2217, 0.3182



30.6546, 0.3082, 0.2549



30.6546, 0.4088, 0.4115

Complementary

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



30.6546, 0.2217, 0.3182



9.0140, 0.6374, 0.3321

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.



30.6546, 0.4275, 0.3720



30.6546, 0.2217, 0.3182



30.6546, 0.3667, 0.2860

Square

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



30.6546, 0.2217, 0.3182



30.6546, 0.2559, 0.2396



30.6546, 0.4122, 0.3273



30.6546, 0.3646, 0.4331

Rectangle

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



30.6546, 0.2217, 0.3182



30.6546, 0.2151, 0.2502



30.6546, 0.4122, 0.3273



30.6546, 0.4184, 0.3996

Sweetspot

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



30.6578, 0.2217, 0.3182



64.8591, 0.2693, 0.3260



29.8991, 0.2994, 0.5977



13.8703, 0.2643, 0.3256



86.8899, 0.3127, 0.3290



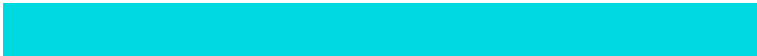
16.2647, 0.3127, 0.3290

Same Dimension

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



30.6578, 0.2217, 0.3182



54.8394, 0.2217, 0.3180



8.8622, 0.1744, 0.1477



9.0238, 0.2987, 0.3282



22.5412, 0.2218, 0.3183



0.6414, 0.2227, 0.3217

Inverse Universe

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



11.6744, 0.3297, 0.1590



20.9019, 0.3299, 0.1591



16.5844, 0.5303, 0.4171



8.1432, 0.3143, 0.3074



8.5786, 0.3296, 0.1589



0.2401, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 30.6546, 0.2217, 0.3182 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 30.6546, 0.2217, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

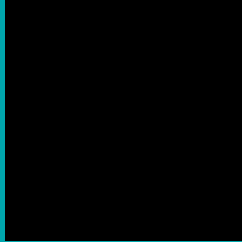
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

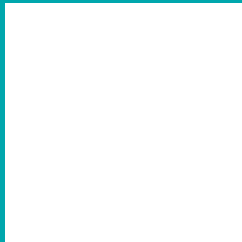
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6546, 0.2217, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 30.6546, 0.2217, 0.3182.

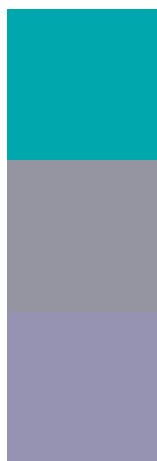


This preview shows how white text looks on a background with the Yxy color 30.6546, 0.2217, 0.3182.

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

30.6546, 0.2217, 0.3182

Protanopia

30.4577, 0.3016, 0.3106

Deuteranopia

30.2562, 0.2874, 0.2815



Tritanopia

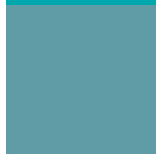
30.7093, 0.2207, 0.3063

Trichromacy



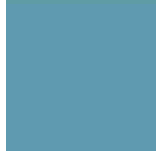
Original Color

30.6546, 0.2217, 0.3182



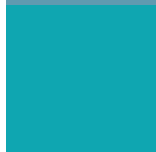
Protanomaly

28.9264, 0.2536, 0.3135



Deuteranomaly

28.6787, 0.2457, 0.2923



Tritanomaly

30.5483, 0.2206, 0.3096

Monochromacy



Original Color

30.6546, 0.2217, 0.3182



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.9392, 0.2528, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6546, 0.2217, 0.3182 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(0, 167, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 173)  
}
```

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(0, 167, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.6546, 0.2217, 0.3182 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(0, 167, 173) }
```

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

```
.border{ border-color:rgb(0, 167, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6546, 0.2217, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 173) }
```

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

```
.background{ background-color: rgb(0, 167,  
173) }
```

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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