

Converting Colors

$Y_{xy}(30.4018, 0.2167, 0.3000)$

Have a look what the booklet for
Yxy(30.4018, 0.2167, 0.3000)
contains.

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Color

Yxy(30.2877, 0.2165, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	00A5B6
RGB	0, 165, 182
RGB Percent	0%, 65%, 71%
CMY	1.0000, 0.3529, 0.2863
CMYK	1.00, 0.09, 0.00, 0.29
HSL	186°, 100%, 36%
HSV	186°, 100%, 71%
XYZ	21.8941, 30.2877, 48.9457
YIQ	117.6030, -103.7970, -29.6930

Conversions

Conversions Part 2

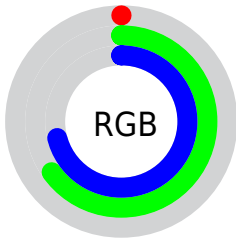
Format	Color
RYB	0, 87, 182
Decimal	42422
CIELab	61.90, -29.28, -18.89
CIELCh	62, 34.848, 212.834
Yxy	30.2877, 0.2165, 0.2995
Android (android.graphics.Color)	4278232502 (0xFF00A5B6)
YUV	117.6030, 31.7477, -103.1378
Hunter-Lab	55.0343, -25.2978, -14.2067

Details

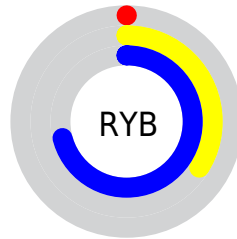
The Yxy color **30.2877, 0.2165, 0.2995** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.3451, 0.6327, 0.3358**, and the grayscale version is **17.9116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9008, 0.2346, 0.3058**, and **13.3952, 0.2141, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **30.2915, 0.2165, 0.2995**, and if you desaturate by 10%, it is **31.0389, 0.2190, 0.3026**.

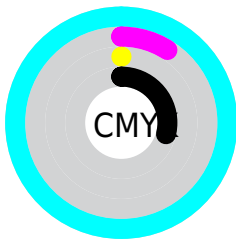
Distribution



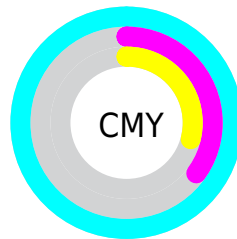
- Red (0%)
- Green (65%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2877, 0.2165, 0.2995 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 30.2877, 0.2165, 0.2995 by changing the saturation by 10% instead.


 30.2877, 0.2165,
0.2995


 30.2877, 0.2165,
0.2995


 303.2432, 0.2661,
0.3169


 20.0571, 0.2039,
0.2942


 60.1169, 0.2348,
0.3065


 12.4365, 0.1876,
0.2869


 80.4842, 0.2416,
0.3089


 7.0417, 0.1659,
0.2762


 104.9992, 0.2473,
0.3108

 3.4882, 0.1362,
0.2592

 134.0462, 0.2521,
0.3125

 1.3916, 0.0892,
0.2311

 168.0098, 0.2563,
0.3138

 0.2105, 0.0000,
0.1115

 207.2742, 0.2600,

 0.0000, 0.0000,

0.3150

0.0000

252.2239, 0.2632,
0.3160

■ 30.2877, 0.2165,
0.2995

■ 30.2877, 0.2165,
0.2995

■ 30.2915, 0.2165,
0.2995

■ 31.0389, 0.2190,
0.3026

■ 31.9157, 0.2229,
0.3058

■ 32.9676, 0.2286,
0.3090

■ 34.2168, 0.2362,
0.3122

■ 35.6820, 0.2457,
0.3153

■ 37.3798, 0.2568,
0.3184

■ 39.3250, 0.2693,
0.3213

■ 41.5313, 0.2830,
0.3241

■ 44.0112, 0.2976,
0.3266

Harmonies

Analogous

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



30.2877, 0.2431, 0.3551



30.2877, 0.2165, 0.2995



30.2877, 0.2133, 0.2596

Triad

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



30.2877, 0.2165, 0.2995



30.2877, 0.3293, 0.2658



30.2877, 0.3935, 0.4204

Complementary

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



30.2877, 0.2165, 0.2995



10.3451, 0.6327, 0.3358

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.



30.2877, 0.4221, 0.3865



30.2877, 0.2165, 0.2995



30.2877, 0.3843, 0.3007

Square

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



30.2877, 0.2165, 0.2995



30.2877, 0.2740, 0.2446



30.2877, 0.4194, 0.3434



30.2877, 0.3444, 0.4311

Rectangle

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



30.2877, 0.2165, 0.2995



30.2877, 0.2241, 0.2452



30.2877, 0.4194, 0.3434



30.2877, 0.4059, 0.4109

Sweetspot

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



30.2915, 0.2165, 0.2995



71.1087, 0.2686, 0.3212



33.4895, 0.2984, 0.5944



15.3680, 0.2632, 0.3200



93.3107, 0.3127, 0.3290



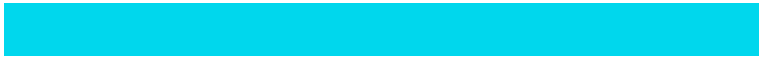
18.7317, 0.3127, 0.3290

Same Dimension

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



30.2915, 0.2165, 0.2995



54.7326, 0.2164, 0.2990



8.5230, 0.1698, 0.1314



10.0634, 0.2985, 0.3268



21.4444, 0.2166, 0.2999



0.7980, 0.2189, 0.3080

Inverse Universe

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



12.6617, 0.3459, 0.1679



22.9375, 0.3463, 0.1681



20.2867, 0.5163, 0.4282



9.1479, 0.3151, 0.3085



8.9472, 0.3455, 0.1677



0.3196, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 30.2877, 0.2165, 0.2995 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 30.2877, 0.2165, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

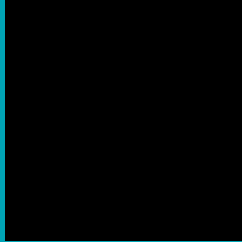
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2877, 0.2165, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 30.2877, 0.2165, 0.2995.

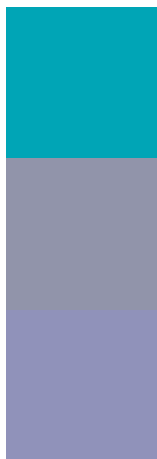


This preview shows how white text looks on a background with the Yxy color 30.2877, 0.2165, 0.2995.

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

30.2877, 0.2165, 0.2995

Protanopia

30.1018, 0.2897, 0.2954

Deuteranopia

30.0322, 0.2753, 0.2698



Tritanopia

30.1649, 0.2179, 0.3044

Trichromacy



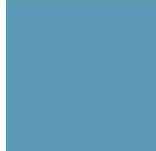
Original Color

30.2877, 0.2165, 0.2995



Protanomaly

28.4425, 0.2451, 0.2952



Deuteranomaly

28.5606, 0.2379, 0.2766



Tritanomaly

30.2056, 0.2174, 0.3028

Monochromacy



Original Color

30.2877, 0.2165, 0.2995



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.7469, 0.2501, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2877, 0.2165, 0.2995 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, 165, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 182)  
}
```

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, 165, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 182) }
```

Border

The CSS property to change the border of an element to Yxy 30.2877, 0.2165, 0.2995 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, 165, 182) }
```

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

```
.border{ border-color:rgb(0, 165, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2877, 0.2165, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 182) }
```

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

```
.background{ background-color: rgb(0, 165,  
182) }
```

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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