

Converting Colors

$Yxy(29.5525, 0.2186, 0.3071)$

Have a look what the booklet for
 $Y_{xy}(29.5525, 0.2186, 0.3071)$
contains.

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Color

Yxy(29.6855, 0.2188, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	00A4B0
RGB	0, 164, 176
RGB Percent	0%, 64%, 69%
CMY	1.0000, 0.3568, 0.3099
CMYK	1.00, 0.07, 0.00, 0.31
HSL	184°, 100%, 35%
HSV	184°, 100%, 69%
XYZ	21.1088, 29.6855, 45.6811
YIQ	116.3320, -101.5960, -31.0360

Conversions

Conversions Part 2

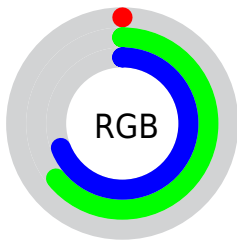
Format	Color
RYB	0, 85, 176
Decimal	42160
CIELab	61.38, -30.75, -16.31
CIELCh	61, 34.806, 207.936
Yxy	29.6855, 0.2188, 0.3077
Android (android.graphics.Color)	4278232240 (0xFF00A4B0)
YUV	116.3320, 29.4163, -102.0232
Hunter-Lab	54.4844, -26.1916, -11.5712

Details

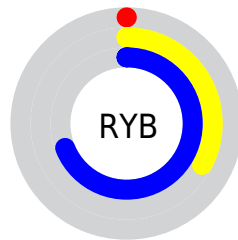
The Yxy color **29.6855, 0.2188, 0.3077** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4902, 0.6348, 0.3341**, and the grayscale version is **17.5042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9760, 0.2365, 0.3119**, and **13.0436, 0.2165, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **29.6874, 0.2188, 0.3077**, and if you desaturate by 10%, it is **30.2428, 0.2210, 0.3099**.

Distribution



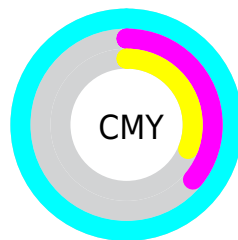
- Red (0%)
- Green (64%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6855, 0.2188, 0.3077 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 29.6855, 0.2188, 0.3077 by changing the saturation by 10% instead.


 29.6855, 0.2188,
0.3077

 29.6855, 0.2188,
0.3077


 300.4357, 0.2675,
0.3207

 19.6000, 0.2063,
0.3036


 59.1645, 0.2368,
0.3130


 12.1046, 0.1900,
0.2977


 79.3267, 0.2435,
0.3149

 6.8150, 0.1683,
0.2888


 103.6167, 0.2491,
0.3163

 3.3467, 0.1381,
0.2743

 132.4187, 0.2539,
0.3175

 1.3153, 0.0851,
0.2505

 166.1172, 0.2580,
0.3185

 0.1530, 0.0000,
0.1019

 205.0967, 0.2616,

 0.0000, 0.0000,

0.3194

0.0000

249.7414, 0.2647,
0.3201

■ 29.6855, 0.2188,
0.3077

■ 29.6855, 0.2188,
0.3077

■ 29.6874, 0.2188,
0.3077

■ 30.2428, 0.2210,
0.3099

■ 30.9135, 0.2246,
0.3122

■ 31.7427, 0.2301,
0.3145

■ 32.7509, 0.2374,
0.3168

■ 33.9553, 0.2465,
0.3191

■ 35.3711, 0.2573,
0.3213

■ 37.0118, 0.2696,
0.3234

■ 38.8901, 0.2831,
0.3254

■ 41.0176, 0.2976,
0.3273

Harmonies

Analogous

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



29.6855, 0.2492, 0.3648



29.6855, 0.2188, 0.3077



29.6855, 0.2117, 0.2643

Triad

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



29.6855, 0.2188, 0.3077



29.6855, 0.3198, 0.2609



29.6855, 0.4003, 0.4165

Complementary

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



29.6855, 0.2188, 0.3077



9.4902, 0.6348, 0.3341

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.



29.6855, 0.4245, 0.3800



29.6855, 0.2188, 0.3077



29.6855, 0.3765, 0.2941

Square

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



29.6855, 0.2188, 0.3077



29.6855, 0.2659, 0.2424



29.6855, 0.4163, 0.3362



29.6855, 0.3534, 0.4322

Rectangle

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



29.6855, 0.2188, 0.3077



29.6855, 0.2201, 0.2474



29.6855, 0.4163, 0.3362



29.6855, 0.4115, 0.4058

Sweetspot

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



29.6874, 0.2188, 0.3077



66.9766, 0.2689, 0.3233



31.0691, 0.2988, 0.5955



14.2407, 0.2637, 0.3224



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.6874, 0.2188, 0.3077



53.7202, 0.2187, 0.3073



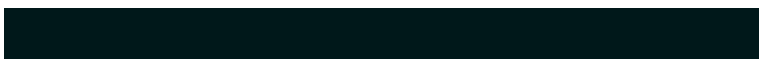
8.3384, 0.1714, 0.1369



9.5306, 0.2986, 0.3274



21.8220, 0.2189, 0.3079



0.7160, 0.2206, 0.3142

Inverse Universe

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



11.9085, 0.3387, 0.1639



21.5896, 0.3390, 0.1641



18.2891, 0.5208, 0.4247



8.6365, 0.3148, 0.3081



8.7431, 0.3385, 0.1638



0.2781, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 29.6855, 0.2188, 0.3077 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6855, 0.2188, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

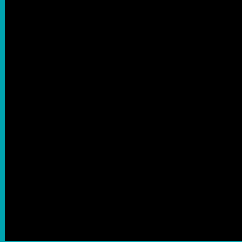
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6855, 0.2188, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 29.6855, 0.2188, 0.3077.

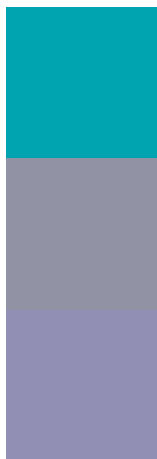


This preview shows how white text looks on a background with the Yxy color 29.6855, 0.2188, 0.3077.

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

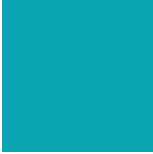
29.6855, 0.2188, 0.3077

Protanopia

29.2578, 0.2949, 0.3011

Deuteranopia

29.2615, 0.2809, 0.2750



Tritanopia

29.7964, 0.2193, 0.3060

Trichromacy



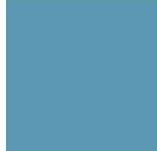
Original Color

29.6855, 0.2188, 0.3077



Protanomaly

27.8849, 0.2487, 0.3032



Deuteranomaly

27.6632, 0.2409, 0.2822



Tritanomaly

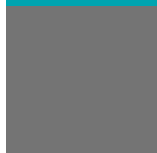
29.7704, 0.2189, 0.3060

Monochromacy



Original Color

29.6855, 0.2188, 0.3077



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.0659, 0.2510, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6855, 0.2188, 0.3077 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, 164, 176)` looks like.

```
.text, #text, p{  
  color:rgb(0, 164, 176)  
}
```

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, 164, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.6855, 0.2188, 0.3077 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, 164, 176) }
```

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

```
.border{ border-color:rgb(0, 164, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6855, 0.2188, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 176) }
```

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

```
.background{ background-color: rgb(0, 164,  
176) }
```

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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