

Converting Colors

$Yxy(27.7477, 0.2065, 0.2997)$

Have a look what the booklet for
Yxy(27.7477, 0.2065, 0.2997)
contains.

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Color

$\text{Yxy}(28.6641, 0.2168, 0.3005)$

Conversions

Conversions Part 1

Format	Color
Hex	00A1B1
RGB	0, 161, 177
RGB Percent	0%, 63%, 69%
CMY	1.0000, 0.3686, 0.3058
CMYK	1.00, 0.09, 0.00, 0.31
HSL	185°, 100%, 35%
HSV	185°, 100%, 69%
XYZ	20.6801, 28.6641, 46.0438
YIQ	114.6850, -101.0920, -29.1560

Conversions

Conversions Part 2

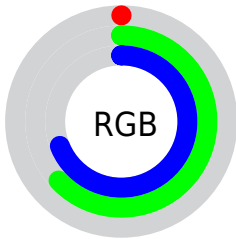
Format	Color
RYB	0, 84, 177
Decimal	41393
CIELab	60.48, -28.94, -18.25
CIELCh	60, 34.217, 212.232
Yxy	28.6641, 0.2168, 0.3005
Android (android.graphics.Color)	4278231473 (0xFF00A1B1)
YUV	114.6850, 30.7213, -100.5787
Hunter-Lab	53.5389, -24.7449, -13.5126

Details

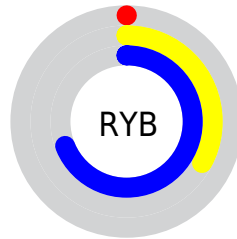
The Yxy color **28.6641, 0.2168, 0.3005** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7194, 0.6328, 0.3357**, and the grayscale version is **16.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4817, 0.2352, 0.3067**, and **12.3925, 0.2144, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **28.6660, 0.2168, 0.3005**, and if you desaturate by 10%, it is **29.3548, 0.2193, 0.3035**.

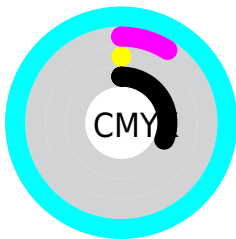
Distribution



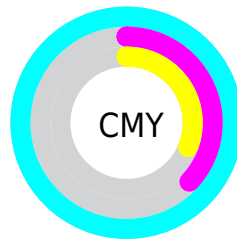
- Red (0%)
- Green (63%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (37%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6641, 0.2168, 0.3005 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 28.6641, 0.2168, 0.3005 by changing the saturation by 10% instead.


 28.6641, 0.2168,
0.3005


 28.6641, 0.2168,
0.3005


 295.6268, 0.2667,
0.3175

 18.8269, 0.2039,
0.2953


 57.5430, 0.2353,
0.3074


 11.5452, 0.1872,
0.2879


 77.3534, 0.2421,
0.3097


 6.4348, 0.1649,
0.2770


 101.2570, 0.2479,
0.3116

 3.1112, 0.1340,
0.2594

 129.6382, 0.2528,
0.3132

 1.1901, 0.0772,
0.2315

 162.8814, 0.2570,
0.3145

 0.0536, 0.0000,
0.0373

 201.3710, 0.2606,

 0.0000, 0.0000,

0.3157

0.0000

245.4913, 0.2638,
0.3166

■ 28.6641, 0.2168,
0.3005

■ 28.6641, 0.2168,
0.3005

■ 28.6660, 0.2168,
0.3005

■ 29.3548, 0.2193,
0.3035

■ 30.1639, 0.2232,
0.3066

■ 31.1367, 0.2289,
0.3097

■ 32.2940, 0.2364,
0.3128

■ 33.6534, 0.2458,
0.3158

■ 35.2301, 0.2569,
0.3187

■ 37.0382, 0.2694,
0.3216

■ 39.0903, 0.2830,
0.3242

■ 41.3981, 0.2976,
0.3267

Harmonies

Analogous

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



28.6641, 0.2438, 0.3563



28.6641, 0.2168, 0.3005



28.6641, 0.2131, 0.2602

Triad

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



28.6641, 0.2168, 0.3005



28.6641, 0.3281, 0.2652



28.6641, 0.3943, 0.4199

Complementary

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



28.6641, 0.2168, 0.3005



9.7194, 0.6328, 0.3357

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.



28.6641, 0.4223, 0.3857



28.6641, 0.2168, 0.3005



28.6641, 0.3833, 0.2999

Square

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



28.6641, 0.2168, 0.3005



28.6641, 0.2730, 0.2444



28.6641, 0.4190, 0.3425



28.6641, 0.3455, 0.4312

Rectangle

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



28.6641, 0.2168, 0.3005



28.6641, 0.2236, 0.2455



28.6641, 0.4190, 0.3425



28.6641, 0.4066, 0.4103

Sweetspot

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



28.6660, 0.2168, 0.3005



66.1474, 0.2687, 0.3214



31.4831, 0.2984, 0.5943



14.0377, 0.2635, 0.3203



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.



28.6660, 0.2168, 0.3005



51.1608, 0.2167, 0.3000



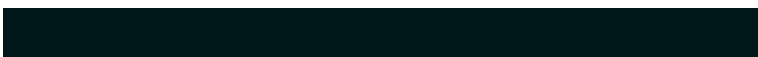
8.0398, 0.1699, 0.1318



9.4975, 0.2986, 0.3269



20.8124, 0.2169, 0.3008



0.6929, 0.2193, 0.3093

Inverse Universe

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



11.9219, 0.3450, 0.1674



21.3312, 0.3454, 0.1676



19.1004, 0.5161, 0.4284



8.6332, 0.3151, 0.3085



8.6412, 0.3447, 0.1672



0.2757, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 28.6641, 0.2168, 0.3005 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 28.6641, 0.2168, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

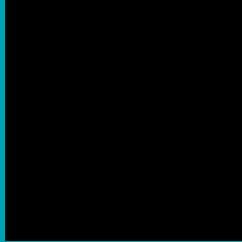
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6641, 0.2168, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 28.6641, 0.2168, 0.3005.



This preview shows how white text looks on a background with the Yxy color 28.6641, 0.2168, 0.3005.

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

28.6641, 0.2168, 0.3005

Protanopia

28.3624, 0.2891, 0.2946

Deuteranopia

28.3449, 0.2762, 0.2699



Tritanopia

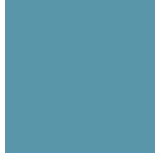
28.5457, 0.2182, 0.3056

Trichromacy



Original Color

28.6641, 0.2168, 0.3005



Protanomaly

26.8886, 0.2451, 0.2945



Deuteranomaly

26.9638, 0.2384, 0.2770



Tritanomaly

28.5849, 0.2178, 0.3039

Monochromacy



Original Color

28.6641, 0.2168, 0.3005



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.7540, 0.2499, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6641, 0.2168, 0.3005 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, 161, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 177)  
}
```

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, 161, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 177) }
```

Border

The CSS property to change the border of an element to Yxy 28.6641, 0.2168, 0.3005 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, 161, 177) }
```

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

```
.border{ border-color:rgb(0, 161, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 161, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6641, 0.2168, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 177) }
```

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

```
.background{ background-color: rgb(0, 161,  
177) }
```

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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