

Converting Colors

$Yxy(21.2531, 0.2006, 0.2698)$

Have a look what the booklet for
Yxy(21.2531, 0.2006, 0.2698)
contains.

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Color

Yxy(21.6964, 0.2084, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	008CAB
RGB	0, 140, 171
RGB Percent	0%, 55%, 67%
CMY	1.0000, 0.4510, 0.3293
CMYK	1.00, 0.18, 0.00, 0.33
HSL	191°, 100%, 34%
HSV	191°, 100%, 67%
XYZ	16.7278, 21.6964, 41.8436
YIQ	101.6740, -93.3910, -20.0390

Conversions

Conversions Part 2

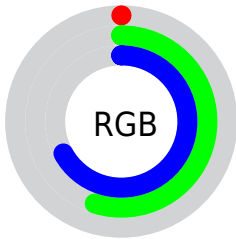
Format	Color
RYB	0, 77, 171
Decimal	36011
CIELab	53.70, -20.24, -25.23
CIELCh	54, 32.347, 231.256
Yxy	21.6964, 0.2084, 0.2703
Android (android.graphics.Color)	4278226091 (0xFF008CAB)
YUV	101.6740, 34.1777, -89.1681
Hunter-Lab	46.5794, -17.4101, -20.6564

Details

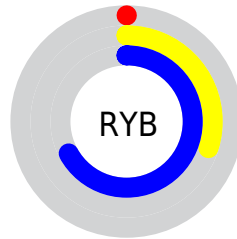
The Yxy color **21.6964, 0.2084, 0.2703** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.6409, 0.6201, 0.3458**, and the grayscale version is **13.1266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3499, 0.2301, 0.2849**, and **8.6442, 0.2032, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **21.6986, 0.2084, 0.2703**, and if you desaturate by 10%, it is **22.7380, 0.2120, 0.2767**.

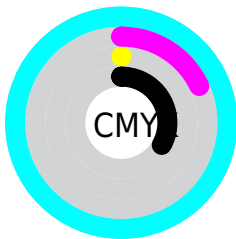
Distribution



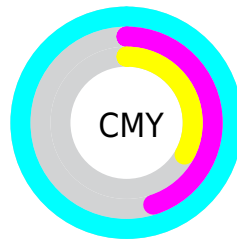
- Red (0%)
- Green (55%)
- Blue (67%)



- Red (0%)
- Yellow (30%)
- Blue (67%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6964, 0.2084, 0.2703 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 21.6964, 0.2084, 0.2703 by changing the saturation by 10% instead.

■ 21.6964, 0.2084,
0.2703

■ 21.6964, 0.2084,
0.2703

■ 260.9567, 0.2645,
0.3044

■ 13.6340, 0.1933,
0.2601

■ 46.2437, 0.2296,
0.2839

■ 7.8665, 0.1735,
0.2459

■ 63.4974, 0.2374,
0.2886

■ 4.0097, 0.1467,
0.2251

■ 84.5836, 0.2438,
0.2925

■ 1.6790, 0.1093,
0.1927

■ 109.8868, 0.2492,
0.2957

■ 0.4100, 0.0000,
0.1268

■ 139.7912, 0.2539,
0.2984

■ 0.0000, 0.0000,
0.0000

■ 174.6815, 0.2579,

0.3007

214.9418, 0.2614,
0.3027

■ 21.6964, 0.2084,
0.2703

■ 21.6964, 0.2084,
0.2703

■ 21.6986, 0.2084,
0.2703

■ 22.7380, 0.2120,
0.2767

■ 23.9065, 0.2171,
0.2832

■ 25.2457, 0.2241,
0.2897

■ 26.7747, 0.2329,
0.2961

■ 28.5098, 0.2434,
0.3024

■ 30.4653, 0.2554,
0.3084

■ 32.6541, 0.2687,
0.3141

■ 35.0880, 0.2828,
0.3195

■ 37.7780, 0.2976,
0.3245

Harmonies

Analogous

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



21.6964, 0.2210, 0.3193



21.6964, 0.2084, 0.2703



21.6964, 0.2199, 0.2431

Triad

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



21.6964, 0.2084, 0.2703



21.6964, 0.3662, 0.2845



21.6964, 0.3665, 0.4345

Complementary

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



21.6964, 0.2084, 0.2703



9.6409, 0.6201, 0.3458

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.



21.6964, 0.4109, 0.4118



21.6964, 0.2084, 0.2703



21.6964, 0.4129, 0.3261

Square

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



21.6964, 0.2084, 0.2703



21.6964, 0.3067, 0.2533



21.6964, 0.4292, 0.3714



21.6964, 0.3100, 0.4243

Rectangle

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



21.6964, 0.2084, 0.2703



21.6964, 0.2403, 0.2375



21.6964, 0.4292, 0.3714



21.6964, 0.3834, 0.4299

Sweetspot

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



21.6986, 0.2084, 0.2703



58.2483, 0.2679, 0.3138



29.2195, 0.2957, 0.5845



12.6223, 0.2624, 0.3115



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.



21.6986, 0.2084, 0.2703



38.5651, 0.2081, 0.2692



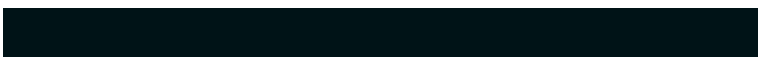
5.8679, 0.1636, 0.1089



8.8213, 0.2986, 0.3248



16.4236, 0.2086, 0.2709



0.5203, 0.2140, 0.2903

Inverse Universe

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



10.5537, 0.3725, 0.1826



18.8675, 0.3736, 0.1832



20.6977, 0.4927, 0.4470



8.1228, 0.3164, 0.3106



7.9610, 0.3719, 0.1823



0.2279, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 21.6964, 0.2084, 0.2703 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 21.6964, 0.2084, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

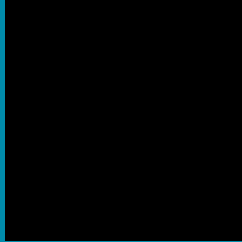
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6964, 0.2084, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 21.6964, 0.2084, 0.2703.

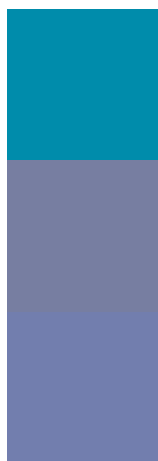


This preview shows how white text looks on a background with the Yxy color 21.6964, 0.2084, 0.2703.

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

21.6964, 0.2084, 0.2703

Protanopia

21.4169, 0.2700, 0.2689

Deuteranopia

21.5551, 0.2544, 0.2488



Tritanopia

21.6459, 0.2185, 0.3067

Trichromacy



Original Color

21.6964, 0.2084, 0.2703

Protanomaly

20.4857, 0.2324, 0.2661

Deuteranomaly

20.6662, 0.2255, 0.2532

Tritanomaly

21.5878, 0.2143, 0.2915

Monochromacy



Original Color

21.6964, 0.2084, 0.2703

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.1469, 0.2463, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6964, 0.2084, 0.2703 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, 140, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 171)  
}
```

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, 140, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 171) }
```

Border

The CSS property to change the border of an element to Yxy 21.6964, 0.2084, 0.2703 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, 140, 171) }
```

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

```
.border{ border-color:rgb(0, 140, 171) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6964, 0.2084, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 171) }
```

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

```
.background{ background-color: rgb(0, 140,  
171) }
```

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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