

Converting Colors

$Y_{xy}(30.4012, 0.2112, 0.2804)$

Have a look what the booklet for
Yxy(30.4012, 0.2112, 0.2804)
contains.

Yxy(30.4012, 0.2112, 0.2804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.4012, 0.2112, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	00A4C1
RGB	0, 164, 193
RGB Percent	0%, 64%, 76%
CMY	1.0000, 0.3568, 0.2431
CMYK	1.00, 0.15, 0.00, 0.24
HSL	189°, 100%, 38%
HSV	189°, 100%, 76%
XYZ	22.8985, 30.4012, 55.1211
YIQ	118.2700, -107.0530, -25.7490

Conversions

Conversions Part 2

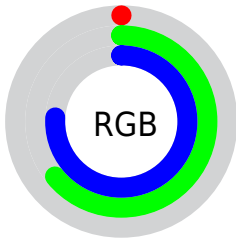
Format	Color
RYB	0, 89, 193
Decimal	42177
CIELab	62.00, -25.08, -24.92
CIElCh	62, 35.356, 224.810
Yxy	30.4012, 0.2112, 0.2804
Android (android.graphics.Color)	4278232257 (0xFF00A4C1)
YUV	118.2700, 36.8419, -103.7228
Hunter-Lab	55.1373, -22.3593, -20.6766

Details

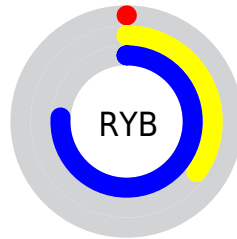
The Yxy color **30.4012, 0.2112, 0.2804** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **12.2184, 0.6262, 0.3410**, and the grayscale version is **18.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2178, 0.2300, 0.2902**, and **13.4524, 0.2075, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **30.4047, 0.2112, 0.2804**, and if you desaturate by 10%, it is **31.5964, 0.2143, 0.2857**.

Distribution



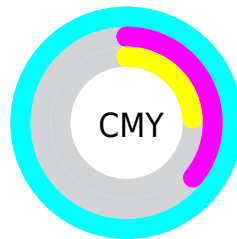
- Red (0%)
- Green (64%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4012, 0.2112, 0.2804 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 30.4012, 0.2112, 0.2804 by changing the saturation by 10% instead.


 30.4012, 0.2112,
0.2804


 30.4012, 0.2112,
0.2804


303.7701, 0.2631,
0.3077

 20.1433, 0.1981,
0.2726


 60.2961, 0.2302,
0.2910


 12.4993, 0.1814,
0.2622


 80.7019, 0.2373,
0.2948

 7.0847, 0.1595,
0.2473


 105.2590, 0.2433,
0.2979

 3.5151, 0.1300,
0.2252

 134.3520, 0.2484,
0.3005

 1.4062, 0.0880,
0.1902

 168.3653, 0.2529,
0.3027

 0.2213, 0.0000,
0.0849

207.6831, 0.2567,

 0.0000, 0.0000,

0.3046

0.0000

252.6899, 0.2601,
0.3063

■ 30.4012, 0.2112,
0.2804

■ 30.4012, 0.2112,
0.2804

■ 30.4047, 0.2112,
0.2804

■ 31.5964, 0.2143,
0.2857

■ 32.9525, 0.2189,
0.2910

■ 34.5236, 0.2253,
0.2963

■ 36.3354, 0.2337,
0.3016

■ 38.4099, 0.2438,
0.3068

■ 40.7663, 0.2555,
0.3118

■ 43.4220, 0.2686,
0.3166

■ 46.3926, 0.2827,
0.3210

■ 49.6929, 0.2975,
0.3252

Harmonies

Analogous

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



30.4012, 0.2287, 0.3320



30.4012, 0.2112, 0.2804



30.4012, 0.2174, 0.2488

Triad

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



30.4012, 0.2112, 0.2804



30.4012, 0.3528, 0.2778



30.4012, 0.3763, 0.4296

Complementary

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



30.4012, 0.2112, 0.2804



12.2184, 0.6262, 0.3410

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.



30.4012, 0.4152, 0.4026



30.4012, 0.2112, 0.2804



30.4012, 0.4029, 0.3170

Square

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



30.4012, 0.2112, 0.2804



30.4012, 0.2947, 0.2502



30.4012, 0.4261, 0.3612



30.4012, 0.3223, 0.4272

Rectangle

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



30.4012, 0.2112, 0.2804



30.4012, 0.2343, 0.2401



30.4012, 0.4261, 0.3612



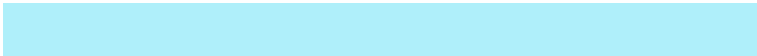
30.4012, 0.3916, 0.4231

Sweetspot

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



30.4047, 0.2112, 0.2804



77.5203, 0.2680, 0.3164



38.2348, 0.2966, 0.5878



16.1851, 0.2623, 0.3144



97.7402, 0.3127, 0.3290



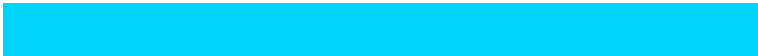
20.4902, 0.3127, 0.3290

Same Dimension

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



30.4047, 0.2112, 0.2804



54.1553, 0.2110, 0.2796



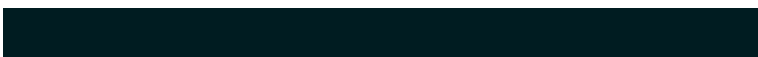
7.9315, 0.1644, 0.1118



11.1622, 0.2984, 0.3255



20.3124, 0.2114, 0.2811



0.9492, 0.2147, 0.2928

Inverse Universe

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



14.0200, 0.3631, 0.1774



25.0764, 0.3638, 0.1778



26.1232, 0.4981, 0.4427



10.2207, 0.3160, 0.3097



9.3328, 0.3625, 0.1770



0.4105, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 30.4012, 0.2112, 0.2804 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 30.4012, 0.2112, 0.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

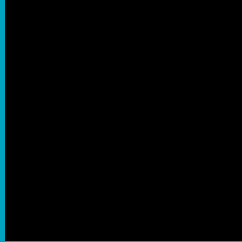
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4012, 0.2112, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 30.4012, 0.2112, 0.2804.

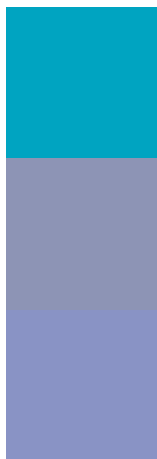


This preview shows how white text looks on a background with the Yxy color 30.4012, 0.2112, 0.2804.

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

30.4012, 0.2112, 0.2804

Protanopia

30.1787, 0.2768, 0.2793

Deuteranopia

30.2170, 0.2611, 0.2559



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.4012, 0.2112, 0.2804



Protanomaly

28.7876, 0.2370, 0.2782



Deuteranomaly

28.7942, 0.2288, 0.2605



Tritanomaly

30.3710, 0.2156, 0.2962

Monochromacy



Original Color

30.4012, 0.2112, 0.2804



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.8681, 0.2471, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4012, 0.2112, 0.2804 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 193) }
```

Border

The CSS property to change the border of an element to Yxy 30.4012, 0.2112, 0.2804 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, 193) }
```

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

```
.border{ border-color:rgb(0, 164, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4012, 0.2112, 0.2804 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, 193) }
```

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

```
.background{ background-color: rgb(0, 164,  
193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor