

Converting Colors

$Y_{xy}(31.0097, 0.2209, 0.3133)$

Have a look what the booklet for
Yxy(31.0097, 0.2209, 0.3133)
contains.

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Color

Yxy(30.8172, 0.2209, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	07A7B0
RGB	7, 167, 176
RGB Percent	3%, 65%, 69%
CMY	0.9720, 0.3451, 0.3099
CMYK	0.96, 0.05, 0.00, 0.31
HSL	183°, 92%, 36%
HSV	183°, 96%, 69%
XYZ	21.7423, 30.8172, 45.8665
YIQ	120.1860, -98.2490, -31.1210

Conversions

Conversions Part 2

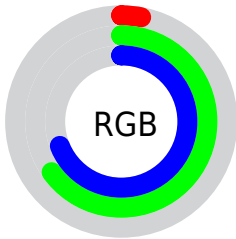
Format	Color
RYB	7, 89, 176
Decimal	501680
CIELab	62.35, -31.94, -14.83
CIELCh	62, 35.214, 204.914
Yxy	30.8172, 0.2209, 0.3131
Android (android.graphics.Color)	4278691760 (0xFF07A7B0)
YUV	120.1860, 27.5163, -99.2641
Hunter-Lab	55.5132, -27.2369, -10.1277

Details

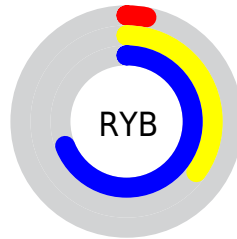
The Yxy color **30.8172, 0.2209, 0.3131** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6179, 0.6283, 0.3334**, and the grayscale version is **18.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1982, 0.2384, 0.3172**, and **13.4899, 0.2179, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **30.6332, 0.2201, 0.3124**, and if you desaturate by 10%, it is **31.3198, 0.2234, 0.3148**.

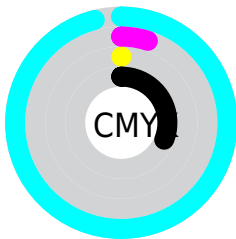
Distribution



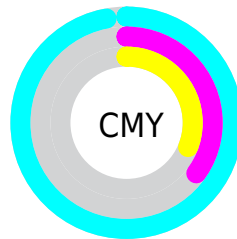
- Red (3%)
- Green (65%)
- Blue (69%)



- Red (3%)
- Yellow (35%)
- Blue (69%)



- Cyan (96%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)




- Cyan (97%)
- Magenta (35%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8172, 0.2209, 0.3131 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 30.8172, 0.2209, 0.3131 by changing the saturation by 10% instead.

 30.8172, 0.2209,
0.3131


 30.8172, 0.2209,
0.3131


 305.6953, 0.2683,
0.3231

 20.4597, 0.2087,
0.3098


 60.9522, 0.2384,
0.3173

 12.7296, 0.1930,
0.3051


 81.4984, 0.2449,
0.3187


 7.2426, 0.1719,
0.2979


 106.2097, 0.2504,
0.3198

 3.6143, 0.1427,
0.2859

 135.4704, 0.2550,
0.3207

 1.4602, 0.0946,
0.2654

 169.6649, 0.2590,
0.3215

 0.2605, 0.0000,
0.1601

 209.1776, 0.2625,

 0.0000, 0.0000,

0.3221

0.0000

254.3929, 0.2656,
0.3227

■ 30.8172, 0.2209,
0.3131

■ 30.8172, 0.2209,
0.3131

■ 30.6332, 0.2201,
0.3124

■ 31.3198, 0.2234,
0.3148

■ 31.9625, 0.2275,
0.3166

■ 32.7710, 0.2335,
0.3184

■ 33.7641, 0.2414,
0.3202

■ 34.9582, 0.2510,
0.3219

■ 36.3678, 0.2623,
0.3236

■ 38.0061, 0.2751,
0.3252

■ 39.8850, 0.2889,
0.3268

■ 42.0160, 0.3037,
0.3282

Harmonies

Analogous

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



30.8172, 0.2534, 0.3705



30.8172, 0.2209, 0.3131



30.8172, 0.2114, 0.2678

Triad

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



30.8172, 0.2209, 0.3131



30.8172, 0.3140, 0.2584



30.8172, 0.4039, 0.4134

Complementary

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



30.8172, 0.2209, 0.3131



9.6179, 0.6283, 0.3334

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.



30.8172, 0.4252, 0.3757



30.8172, 0.2209, 0.3131



30.8172, 0.3712, 0.2903

Square

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



30.8172, 0.2209, 0.3131



30.8172, 0.2612, 0.2416



30.8172, 0.4135, 0.3317



30.8172, 0.3587, 0.4319

Rectangle

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



30.8172, 0.2209, 0.3131



30.8172, 0.2182, 0.2494



30.8172, 0.4135, 0.3317



30.8172, 0.4143, 0.4022

Sweetspot

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



30.8183, 0.2209, 0.3131



67.8370, 0.2704, 0.3247



31.1258, 0.2992, 0.5931



14.4357, 0.2651, 0.3240



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.



30.8183, 0.2209, 0.3131



55.4629, 0.2200, 0.3121



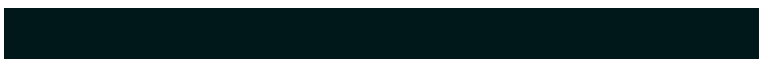
9.3852, 0.1758, 0.1497



9.5526, 0.2986, 0.3277



22.5089, 0.2202, 0.3126



0.7316, 0.2215, 0.3174

Inverse Universe

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



12.1732, 0.3340, 0.1629



21.7655, 0.3349, 0.1619



18.3590, 0.5181, 0.4228



8.6388, 0.3145, 0.3077



8.8124, 0.3345, 0.1616



0.2796, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 30.8172, 0.2209, 0.3131 looks on a white background.

Color Contrast Check

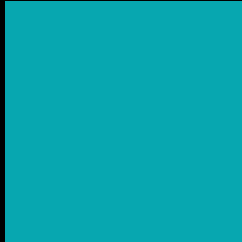
Large Text (above 18pt) WCAG AA × Fail

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 30.8172, 0.2209, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

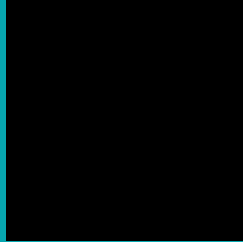
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8172, 0.2209, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 30.8172, 0.2209, 0.3131.



This preview shows how white text looks on a background with the Yxy color 30.8172, 0.2209, 0.3131.

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

30.8172, 0.2209, 0.3131

Protanopia

30.4711, 0.2979, 0.3060

Deuteranopia

30.2835, 0.2839, 0.2773



Tritanopia

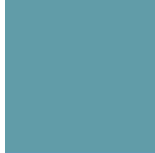
30.7164, 0.2198, 0.3047

Trichromacy



Original Color

30.8172, 0.2209, 0.3131



Protanomaly

29.1455, 0.2529, 0.3086



Deuteranomaly

28.9073, 0.2451, 0.2878



Tritanomaly

30.6287, 0.2197, 0.3063

Monochromacy



Original Color

30.8172, 0.2209, 0.3131



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.4470, 0.2545, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8172, 0.2209, 0.3131 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(7, 167, 176)` looks like.

```
.text, #text, p{  
    color:rgb(7, 167, 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(7, 167, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 167, 176) }
```

Border

The CSS property to change the border of an element to Yxy 30.8172, 0.2209, 0.3131 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(7, 167, 176) }
```

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

```
.border{ border-color:rgb(7, 167, 176) }
```

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

Here you see how a box with a 4 pixel rgb(7, 167, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 167, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 167, 176);  
box-shadow:4px 4px 4px 4px rgb(7, 167,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8172, 0.2209, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 167, 176) }
```

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

```
.background{ background-color: rgb(7, 167,  
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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