

Converting Colors

$Y_{xy}(31.7728, 0.2207, 0.3099)$

Have a look what the booklet for
Yxy(31.7728, 0.2207, 0.3099)
contains.

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Color

Yxy(31.7728, 0.2207, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	0FA9B4
RGB	15, 169, 180
RGB Percent	6%, 66%, 71%
CMY	0.9400, 0.3373, 0.2941
CMYK	0.91, 0.06, 0.00, 0.29
HSL	184°, 84%, 38%
HSV	184°, 91%, 71%
XYZ	22.6275, 31.7728, 48.1257
YIQ	124.2080, -95.3150, -29.2270

Conversions

Conversions Part 2

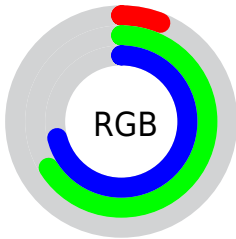
Format	Color
RYB	15, 95, 180
Decimal	1026484
CIELab	63.15, -31.30, -15.87
CIELCh	63, 35.093, 206.894
Yxy	31.7728, 0.2207, 0.3099
Android (android.graphics.Color)	4279216564 (0xFF0FA9B4)
YUV	124.2080, 27.5055, -95.7754
Hunter-Lab	56.3674, -26.9879, -11.1638

Details

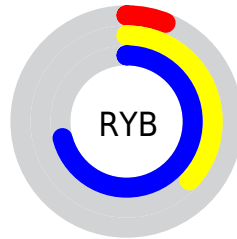
The Yxy color **31.7728, 0.2207, 0.3099** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4934, 0.6172, 0.3357**, and the grayscale version is **20.1910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6159, 0.2379, 0.3148**, and **14.0231, 0.2174, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **31.2903, 0.2189, 0.3080**, and if you desaturate by 10%, it is **32.4483, 0.2240, 0.3121**.

Distribution



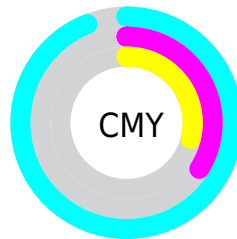
- Red (6%)
- Green (66%)
- Blue (71%)



- Red (6%)
- Yellow (37%)
- Blue (71%)



- Cyan (91%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)




- Cyan (94%)
- Magenta (34%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7728, 0.2207, 0.3099 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 31.7728, 0.2207, 0.3099 by changing the saturation by 10% instead.


 31.7728, 0.2207,
0.3099


 31.7728, 0.2207,
0.3099


310.0830, 0.2680,
0.3216

 21.1880, 0.2087,
0.3062


 62.4547, 0.2381,
0.3147

 13.2615, 0.1932,
0.3010


 83.3207, 0.2446,
0.3163

 7.6089, 0.1725,
0.2932


 108.3825, 0.2500,
0.3176

 3.8457, 0.1441,
0.2805

 138.0245, 0.2546,
0.3187

 1.5876, 0.1009,
0.2583

 172.6312, 0.2587,
0.3196

 0.3492, 0.0000,
0.1800

212.5869, 0.2622,

 0.0000, 0.0000,

0.3204

0.0000

258.2760, 0.2652,
0.3210

■ 31.7728, 0.2207,
0.3099

■ 31.7728, 0.2207,
0.3099

■ 31.2903, 0.2189,
0.3080

■ 32.4483, 0.2240,
0.3121

■ 33.2860, 0.2291,
0.3144

■ 34.3091, 0.2361,
0.3166

■ 35.5363, 0.2450,
0.3189

■ 36.9840, 0.2555,
0.3211

■ 38.6668, 0.2676,
0.3232

■ 40.5981, 0.2810,
0.3252

■ 42.7903, 0.2954,
0.3270

■ 45.2549, 0.3104,
0.3288

Harmonies

Analogous

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



31.7728, 0.2515, 0.3662



31.7728, 0.2207, 0.3099



31.7728, 0.2129, 0.2664

Triad

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



31.7728, 0.2207, 0.3099



31.7728, 0.3177, 0.2609



31.7728, 0.4004, 0.4143

Complementary

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



31.7728, 0.2207, 0.3099



10.4934, 0.6172, 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.



31.7728, 0.4233, 0.3780



31.7728, 0.2207, 0.3099



31.7728, 0.3738, 0.2933

Square

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



31.7728, 0.2207, 0.3099



31.7728, 0.2649, 0.2432



31.7728, 0.4139, 0.3347



31.7728, 0.3548, 0.4306

Rectangle

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



31.7728, 0.2207, 0.3099



31.7728, 0.2206, 0.2491



31.7728, 0.4139, 0.3347



31.7728, 0.4112, 0.4037

Sweetspot

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



31.7740, 0.2207, 0.3099



71.4580, 0.2729, 0.3240



32.8272, 0.2985, 0.5863



15.2001, 0.2685, 0.3233



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.7740, 0.2207, 0.3099



56.5902, 0.2188, 0.3077



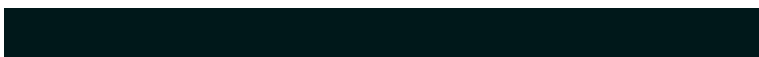
10.1646, 0.1778, 0.1528



9.5323, 0.2986, 0.3274



21.8747, 0.2190, 0.3083



0.7172, 0.2207, 0.3145

Inverse Universe

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



12.9195, 0.3366, 0.1662



22.7038, 0.3387, 0.1640



20.6008, 0.5061, 0.4283



8.6367, 0.3147, 0.3080



8.7484, 0.3382, 0.1637



0.2782, 0.3329, 0.1607

Previews

White Background



This preview shows how the Yxy color 31.7728, 0.2207, 0.3099 looks on a white background.

Color Contrast Check

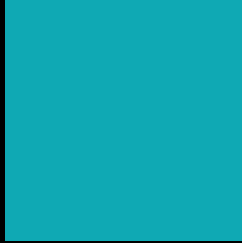
Large Text (above 18pt) WCAG AA × Fail

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 31.7728, 0.2207, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

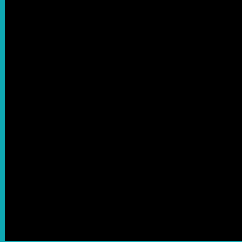
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

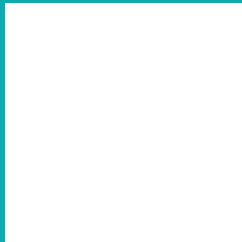
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7728, 0.2207, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 31.7728, 0.2207, 0.3099.

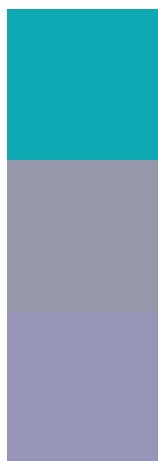


This preview shows how white text looks on a background with the Yxy color 31.7728, 0.2207, 0.3099.

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

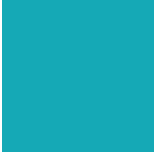
31.7728, 0.2207, 0.3099

Protanopia

31.4444, 0.2963, 0.3034

Deuteranopia

31.4817, 0.2818, 0.2765



Tritanopia

31.9128, 0.2205, 0.3067

Trichromacy



Original Color

31.7728, 0.2207, 0.3099

Protanomaly

30.1990, 0.2535, 0.3057

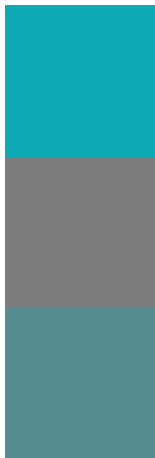
Deuteranomaly

29.9625, 0.2458, 0.2854

Tritanomaly

31.8506, 0.2207, 0.3083

Monochromacy



Original Color

31.7728, 0.2207, 0.3099

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.6546, 0.2562, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7728, 0.2207, 0.3099 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(15, 169, 180)` looks like.

```
.text, #text, p{  
    color:rgb(15, 169, 180)  
}
```

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(15, 169, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 169, 180) }
```

Border

The CSS property to change the border of an element to Yxy 31.7728, 0.2207, 0.3099 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(15, 169, 180) }
```

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

```
.border{ border-color:rgb(15, 169, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 169, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 169, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 169, 180);  
box-shadow:4px 4px 4px 4px rgb(15, 169,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7728, 0.2207, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 169, 180) }
```

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

```
.background{ background-color: rgb(15, 169,  
180) }
```

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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