

Converting Colors

$Y_{xy}(28.4693, 0.2201, 0.3035)$

Have a look what the booklet for
Yxy(28.4693, 0.2201, 0.3035)
contains.

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Color

Yxy(28.3798, 0.2202, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	17A0AE
RGB	23, 160, 174
RGB Percent	9%, 63%, 68%
CMY	0.9100, 0.3725, 0.3176
CMYK	0.87, 0.08, 0.00, 0.32
HSL	186°, 77%, 39%
HSV	186°, 87%, 68%
XYZ	20.5634, 28.3798, 44.4421
YIQ	120.6330, -86.1460, -24.6900

Conversions

Conversions Part 2

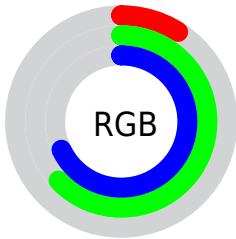
Format	Color
RYB	23, 95, 174
Decimal	1548462
CIELab	60.23, -28.42, -16.93
CIElCh	60, 33.076, 210.779
Yxy	28.3798, 0.2202, 0.3039
Android (android.graphics.Color)	4279738542 (0xFF17A0AE)
YUV	120.6330, 26.3099, -85.6241
Hunter-Lab	53.2727, -24.3256, -12.1711

Details

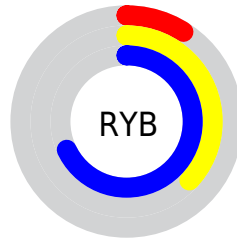
The Yxy color **28.3798, 0.2202, 0.3039** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.3811, 0.5990, 0.3404**, and the grayscale version is **18.9258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0247, 0.2385, 0.3105**, and **12.1303, 0.2149, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **27.6794, 0.2174, 0.3008**, and if you desaturate by 10%, it is **29.2203, 0.2247, 0.3071**.

Distribution



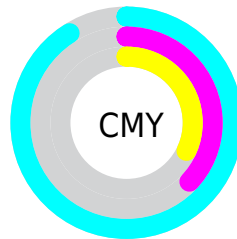
- Red (9%)
- Green (63%)
- Blue (68%)



- Red (9%)
- Yellow (37%)
- Blue (68%)



- Cyan (87%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)




- Cyan (91%)
- Magenta (37%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3798, 0.2202, 0.3039 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 28.3798, 0.2202, 0.3039 by changing the saturation by 10% instead.

 28.3798, 0.2202,
0.3039


 28.3798, 0.2202,
0.3039


 294.2773, 0.2685,
0.3190

 18.6122, 0.2076,
0.2992


 57.0902, 0.2382,
0.3100

 11.3904, 0.1913,
0.2925


 76.8018, 0.2448,
0.3121


 6.3300, 0.1693,
0.2825


 100.5968, 0.2504,
0.3138

 3.0468, 0.1385,
0.2663

 128.8597, 0.2551,
0.3152

 1.1562, 0.0796,
0.2406

 161.9748, 0.2591,
0.3164

 0.0255, 0.0000,
0.0203

 200.3265, 0.2627,

 0.0000, 0.0000,

0.3174

0.0000

244.2992, 0.2658,
0.3182

■ 28.3798, 0.2202,
0.3039

■ 28.3798, 0.2202,
0.3039

■ 27.6794, 0.2174,
0.3008

■ 29.2203, 0.2247,
0.3071

■ 27.4682, 0.2166,
0.2998

■ 30.2245, 0.2310,
0.3102

■ 31.4119, 0.2392,
0.3134

■ 32.7986, 0.2492,
0.3165

■ 34.3989, 0.2608,
0.3194

■ 36.2257, 0.2737,
0.3223

■ 38.2910, 0.2876,
0.3249

■ 40.6056, 0.3024,
0.3274

■ 43.1799, 0.3176,
0.3297

Harmonies

Analogous

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



28.3798, 0.2477, 0.3582



28.3798, 0.2202, 0.3039



28.3798, 0.2155, 0.2637

Triad

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



28.3798, 0.2202, 0.3039



28.3798, 0.3250, 0.2656



28.3798, 0.3939, 0.4162

Complementary

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



28.3798, 0.2202, 0.3039



10.3811, 0.5990, 0.3404

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.



28.3798, 0.4197, 0.3824



28.3798, 0.2202, 0.3039



28.3798, 0.3789, 0.2990

Square

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



28.3798, 0.2202, 0.3039



28.3798, 0.2719, 0.2461



28.3798, 0.4148, 0.3402



28.3798, 0.3473, 0.4282

Rectangle

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



28.3798, 0.2202, 0.3039



28.3798, 0.2250, 0.2485



28.3798, 0.4148, 0.3402



28.3798, 0.4055, 0.4066

Sweetspot

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



28.3808, 0.2202, 0.3039



65.8286, 0.2741, 0.3224



30.5813, 0.2977, 0.5761



14.3698, 0.2696, 0.3214



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.



28.3808, 0.2202, 0.3039



49.6432, 0.2165, 0.2993



9.8753, 0.1809, 0.1579



8.9432, 0.2986, 0.3268



19.9669, 0.2167, 0.3002



0.5915, 0.2193, 0.3096

Inverse Universe

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



12.1484, 0.3415, 0.1721



20.7747, 0.3461, 0.1680



20.4442, 0.4929, 0.4325



8.1351, 0.3151, 0.3087



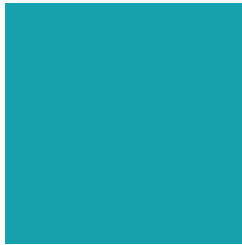
8.3187, 0.3453, 0.1676



0.2351, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 28.3798, 0.2202, 0.3039 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 28.3798, 0.2202, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

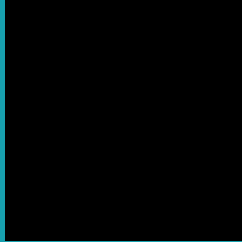
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3798, 0.2202, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 28.3798, 0.2202, 0.3039.

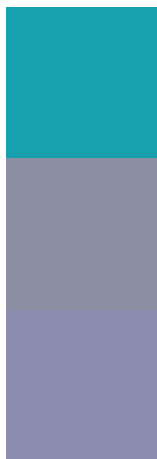


This preview shows how white text looks on a background with the Yxy color 28.3798, 0.2202, 0.3039.

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

28.3798, 0.2202, 0.3039

Protanopia

27.9520, 0.2918, 0.2975

Deuteranopia

27.9268, 0.2786, 0.2725



Tritanopia

28.3293, 0.2205, 0.3056

Trichromacy



Original Color

28.3798, 0.2202, 0.3039



Protanomaly

26.8816, 0.2524, 0.2981



Deuteranomaly

26.9508, 0.2453, 0.2805



Tritanomaly

28.3293, 0.2205, 0.3056

Monochromacy



Original Color

28.3798, 0.2202, 0.3039



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.1527, 0.2586, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3798, 0.2202, 0.3039 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(23, 160, 174)` looks like.

```
.text, #text, p{  
    color:rgb(23, 160, 174)  
}
```

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(23, 160, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 160, 174) }
```

Border

The CSS property to change the border of an element to Yxy 28.3798, 0.2202, 0.3039 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(23, 160, 174) }
```

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

```
.border{ border-color:rgb(23, 160, 174) }
```

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

Here you see how a box with a 4 pixel rgb(23, 160, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 160, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 160, 174);  
box-shadow:4px 4px 4px 4px rgb(23, 160,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3798, 0.2202, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 160, 174) }
```

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

```
.background{ background-color: rgb(23, 160,  
174) }
```

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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