

Converting Colors

$Yxy(28.8537, 0.2210, 0.3126)$

Have a look what the booklet for
Yxy(28.8537, 0.2210, 0.3126)
contains.

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Color

$\text{Yxy}(28.8390, 0.2210, 0.3126)$

Conversions

Conversions Part 1

Format	Color
Hex	09A2AB
RGB	9, 162, 171
RGB Percent	4%, 64%, 67%
CMY	0.9631, 0.3647, 0.3293
CMYK	0.94, 0.05, 0.00, 0.33
HSL	183°, 90%, 35%
HSV	183°, 94%, 67%
XYZ	20.3884, 28.8390, 43.0279
YIQ	117.2790, -94.0770, -29.6370

Conversions

Conversions Part 2

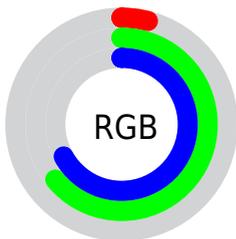
Format	Color
R_{YB}	9, 88, 171
Decimal	631467
CIE _{Lab}	60.64, -31.03, -14.63
CIE _{LCh}	61, 34.309, 205.240
Yxy	28.8390, 0.2210, 0.3126
Android (android.graphics.Color)	4278821547 (0xFF09A2AB)
YUV	117.2790, 26.4845, -94.9607
Hunter-Lab	53.7020, -26.2093, -9.9138

Details

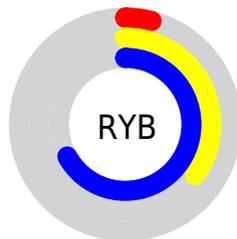
The Yxy color **28.8390, 0.2210, 0.3126** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1273, 0.6246, 0.3339**, and the grayscale version is **17.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6581, 0.2390, 0.3169**, and **12.4838, 0.2184, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **28.5945, 0.2199, 0.3116**, and if you desaturate by 10%, it is **29.3435, 0.2237, 0.3144**.

Distribution



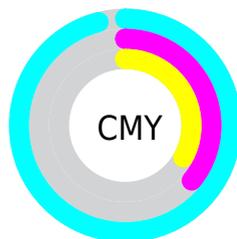
- Red (4%)
- Green (64%)
- Blue (67%)



- Red (4%)
- Yellow (35%)
- Blue (67%)



- Cyan (94%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (96%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8390, 0.2210, 0.3126 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 28.8390, 0.2210, 0.3126 by changing the saturation by 10% instead.

 28.8390, 0.2210,
0.3126

 28.8390, 0.2210,
0.3126

 296.4546, 0.2689,
0.3230

 18.9591, 0.2085,
0.3092

 57.8212, 0.2388,
0.3170

 11.6407, 0.1923,
0.3042

 77.6922, 0.2454,
0.3184

 6.4995, 0.1704,
0.2965

 101.6624, 0.2509,
0.3196

 3.1511, 0.1398,
0.2835

 130.1162, 0.2556,
0.3205

 1.2111, 0.0787,
0.2635

 163.4379, 0.2596,
0.3213

 0.0708, 0.0000,
0.0601

 202.0119, 0.2631,

 0.0000, 0.0000,

0.3219

0.0000

246.2227, 0.2662,
0.3225

■ 28.8390, 0.2210,
0.3126

■ 28.8390, 0.2210,
0.3126

■ 28.5945, 0.2199,
0.3116

■ 29.3435, 0.2237,
0.3144

■ 29.9843, 0.2282,
0.3163

■ 30.7832, 0.2345,
0.3182

■ 31.7575, 0.2427,
0.3200

■ 32.9221, 0.2526,
0.3218

■ 34.2902, 0.2641,
0.3236

■ 35.8740, 0.2771,
0.3253

■ 37.6846, 0.2911,
0.3269

■ 39.7323, 0.3059,
0.3284

Harmonies

Analogous

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



28.8390, 0.2532, 0.3697



28.8390, 0.2210, 0.3126



28.8390, 0.2118, 0.2676

Triad

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



28.8390, 0.2210, 0.3126



28.8390, 0.3146, 0.2589



28.8390, 0.4032, 0.4134

Complementary

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



28.8390, 0.2210, 0.3126



9.1273, 0.6246, 0.3339

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.



28.8390, 0.4247, 0.3760



28.8390, 0.2210, 0.3126



28.8390, 0.3715, 0.2909

Square

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



28.8390, 0.2210, 0.3126



28.8390, 0.2619, 0.2420



28.8390, 0.4134, 0.3322



28.8390, 0.3580, 0.4315

Rectangle

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



28.8390, 0.2210, 0.3126



28.8390, 0.2187, 0.2494



28.8390, 0.4134, 0.3322



28.8390, 0.4136, 0.4024

Sweetspot

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



28.8401, 0.2210, 0.3126



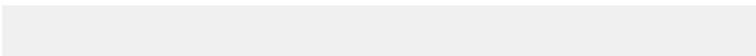
63.0528, 0.2717, 0.3246



29.2350, 0.2991, 0.5913



13.7992, 0.2664, 0.3239



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.



28.8401, 0.2210, 0.3126



51.0943, 0.2198, 0.3113



9.0566, 0.1771, 0.1528



8.9943, 0.2986, 0.3277



21.5773, 0.2199, 0.3118



0.6229, 0.2215, 0.3173

Inverse Universe

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



11.4726, 0.3343, 0.1638



20.1323, 0.3356, 0.1622



17.4711, 0.5152, 0.4237



8.1402, 0.3146, 0.3079



8.4813, 0.3352, 0.1620



0.2382, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 28.8390, 0.2210, 0.3126 looks on a white background.

Color Contrast Check

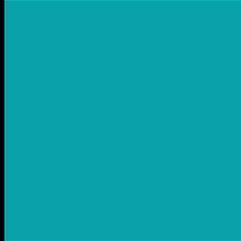
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8390, 0.2210, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

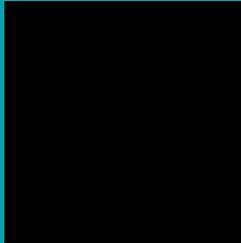
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

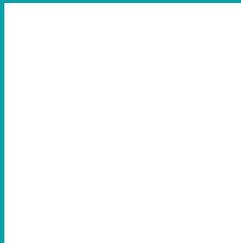
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8390, 0.2210, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 28.8390, 0.2210, 0.3126.



This preview shows how white text looks on a background with the Yxy color 28.8390, 0.2210, 0.3126.

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

28.8390, 0.2210, 0.3126

Protanopia

28.4139, 0.2975, 0.3039

Deuteranopia

28.3704, 0.2840, 0.2787



Tritanopia

28.7336, 0.2198, 0.3040

Trichromacy



Original Color

28.8390, 0.2210, 0.3126



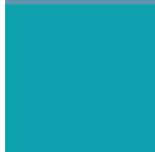
Protanomaly

27.2464, 0.2529, 0.3064



Deuteranomaly

26.9838, 0.2455, 0.2867



Tritanomaly

28.6559, 0.2197, 0.3057

Monochromacy



Original Color

28.8390, 0.2210, 0.3126



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.2009, 0.2548, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8390, 0.2210, 0.3126 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(9, 162, 171)` looks like.

```
.text, #text, p{  
    color:rgb(9, 162, 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(9, 162, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 162, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.8390, 0.2210, 0.3126 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(9, 162, 171) }
```

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

```
.border{ border-color:rgb(9, 162, 171) }
```

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

Here you see how a box with a 4 pixel rgb(9, 162, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 162, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 162, 171);  
box-shadow:4px 4px 4px 4px rgb(9, 162,  
171) }
```

Background

The CSS property to change the background color of an element to Yxy 28.8390, 0.2210, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 162, 171) }
```

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

```
.background{ background-color: rgb(9, 162,  
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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