

Converting Colors

$Yxy(29.6966, 0.2219, 0.3129)$

Have a look what the booklet for
Yxy(29.6966, 0.2219, 0.3129)
contains.

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Color

Yxy(29.6966, 0.2219, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	12A4AD
RGB	18, 164, 173
RGB Percent	7%, 64%, 68%
CMY	0.9313, 0.3568, 0.3216
CMYK	0.90, 0.05, 0.00, 0.32
HSL	183°, 82%, 37%
HSV	183°, 90%, 68%
XYZ	21.0600, 29.6966, 44.1510
YIQ	121.3720, -89.9050, -28.1530

Conversions

Conversions Part 2

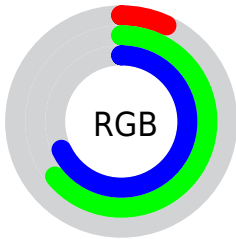
Format	Color
RYB	18, 93, 173
Decimal	1221805
CIELab	61.39, -31.03, -14.60
CIElCh	61, 34.288, 205.199
Yxy	29.6966, 0.2219, 0.3129
Android (android.graphics.Color)	4279411885 (0xFF12A4AD)
YUV	121.3720, 25.4526, -90.6572
Hunter-Lab	54.4946, -26.3823, -9.8900

Details

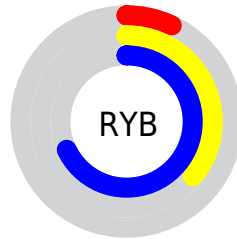
The Yxy color **29.6966, 0.2219, 0.3129** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6863, 0.6132, 0.3353**, and the grayscale version is **19.1396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9171, 0.2394, 0.3171**, and **12.9688, 0.2185, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **29.2191, 0.2198, 0.3110**, and if you desaturate by 10%, it is **30.2867, 0.2254, 0.3148**.

Distribution



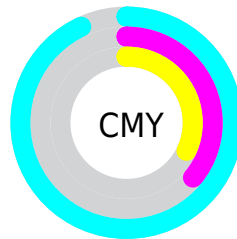
- Red (7%)
- Green (64%)
- Blue (68%)



- Red (7%)
- Yellow (36%)
- Blue (68%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (32%)



- Cyan (93%)
- Magenta (36%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6966, 0.2219, 0.3129 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 29.6966, 0.2219, 0.3129 by changing the saturation by 10% instead.

■ 29.6966, 0.2219,
0.3129

■ 29.6966, 0.2219,
0.3129

■ 300.4877, 0.2691,
0.3230

■ 19.6084, 0.2097,
0.3096

■ 59.1820, 0.2394,
0.3171

■ 12.1107, 0.1938,
0.3048

■ 79.3481, 0.2459,
0.3186

■ 6.8191, 0.1724,
0.2974

■ 103.6422, 0.2513,
0.3197

■ 3.3492, 0.1426,
0.2850

■ 132.4488, 0.2559,
0.3206

■ 1.3167, 0.0887,
0.2647

■ 166.1522, 0.2599,
0.3214

■ 0.1541, 0.0000,
0.1133

■ 205.1369, 0.2634,

■ 0.0000, 0.0000,

0.3220

0.0000

249.7873, 0.2664,
0.3226

■ 29.6966, 0.2219,
0.3129

■ 29.6966, 0.2219,
0.3129

■ 29.2191, 0.2198,
0.3110

■ 30.2867, 0.2254,
0.3148

■ 29.2129, 0.2197,
0.3110

■ 31.0275, 0.2307,
0.3167

■ 31.9393, 0.2379,
0.3187

■ 33.0387, 0.2470,
0.3206

■ 34.3403, 0.2577,
0.3225

■ 35.8570, 0.2699,
0.3243

■ 37.6010, 0.2834,
0.3260

■ 39.5831, 0.2978,
0.3276

■ 41.8139, 0.3129,
0.3290

Harmonies

Analogous

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



29.6966, 0.2539, 0.3694



29.6966, 0.2219, 0.3129



29.6966, 0.2127, 0.2683

Triad

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



29.6966, 0.2219, 0.3129



29.6966, 0.3145, 0.2595



29.6966, 0.4024, 0.4126

Complementary

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



29.6966, 0.2219, 0.3129



9.6863, 0.6132, 0.3353

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.



29.6966, 0.4236, 0.3756



29.6966, 0.2219, 0.3129



29.6966, 0.3708, 0.2912

Square

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



29.6966, 0.2219, 0.3129



29.6966, 0.2624, 0.2428



29.6966, 0.4123, 0.3322



29.6966, 0.3577, 0.4304

Rectangle

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



29.6966, 0.2219, 0.3129



29.6966, 0.2196, 0.2502



29.6966, 0.4123, 0.3322



29.6966, 0.4127, 0.4017

Sweetspot

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



29.6977, 0.2219, 0.3129



64.9379, 0.2730, 0.3247



30.0785, 0.2990, 0.5855



13.9024, 0.2688, 0.3241



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.



29.6977, 0.2219, 0.3129



52.2155, 0.2196, 0.3107



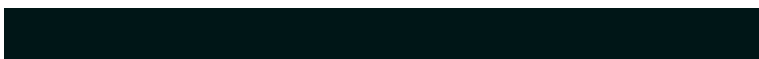
10.0361, 0.1807, 0.1615



8.9917, 0.2986, 0.3276



21.4932, 0.2198, 0.3112



0.6213, 0.2214, 0.3169

Inverse Universe

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



11.9814, 0.3339, 0.1657



20.6370, 0.3361, 0.1625



18.6319, 0.5066, 0.4254



8.1400, 0.3146, 0.3079



8.4728, 0.3357, 0.1623



0.2381, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 29.6966, 0.2219, 0.3129 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 29.6966, 0.2219, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

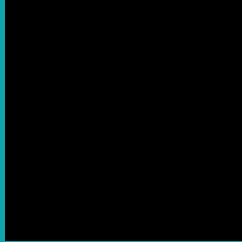
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6966, 0.2219, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 29.6966, 0.2219, 0.3129.

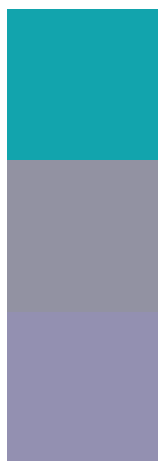


This preview shows how white text looks on a background with the Yxy color 29.6966, 0.2219, 0.3129.

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

29.6966, 0.2219, 0.3129

Protanopia

29.2774, 0.2977, 0.3042

Deuteranopia

29.3239, 0.2853, 0.2794



Tritanopia

29.5629, 0.2204, 0.3043

Trichromacy



Original Color

29.6966, 0.2219, 0.3129



Protanomaly

28.1883, 0.2549, 0.3068



Deuteranomaly

27.9771, 0.2482, 0.2874



Tritanomaly

29.4995, 0.2206, 0.3060

Monochromacy



Original Color

29.6966, 0.2219, 0.3129



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.6238, 0.2576, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6966, 0.2219, 0.3129 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(18, 164, 173)` looks like.

```
.text, #text, p{  
    color:rgb(18, 164, 173)  
}
```

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(18, 164, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 164, 173) }
```

Border

The CSS property to change the border of an element to Yxy 29.6966, 0.2219, 0.3129 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(18, 164, 173) }
```

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

```
.border{ border-color:rgb(18, 164, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 164, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 164, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 164, 173);  
box-shadow:4px 4px 4px 4px rgb(18, 164,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6966, 0.2219, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 164, 173) }
```

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

```
.background{ background-color: rgb(18, 164,  
173) }
```

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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