

Converting Colors

$Y_{xy}(30.9462, 0.2168, 0.2949)$

Have a look what the booklet for
Yxy(30.9462, 0.2168, 0.2949)
contains.

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Color

Yxy(30.9462, 0.2168, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	12A6BA
RGB	18, 166, 186
RGB Percent	7%, 65%, 73%
CMY	0.9293, 0.3490, 0.2705
CMYK	0.90, 0.11, 0.00, 0.27
HSL	187°, 82%, 40%
HSV	187°, 90%, 73%
XYZ	22.7505, 30.9462, 51.2412
YIQ	124.0280, -94.6280, -25.1560

Conversions

Conversions Part 2

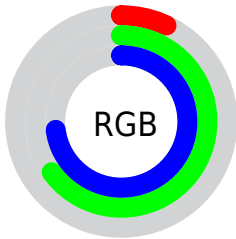
Format	Color
RYB	18, 97, 186
Decimal	1222330
CIELab	62.46, -27.75, -20.29
CIELCh	62, 34.376, 216.167
Yxy	30.9462, 0.2168, 0.2949
Android (android.graphics.Color)	4279412410 (0xFF12A6BA)
YUV	124.0280, 30.5522, -92.9866
Hunter-Lab	55.6293, -24.3507, -15.6726

Details

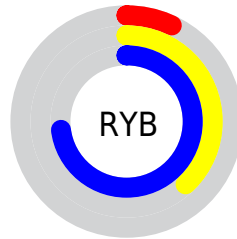
The Yxy color **30.9462, 0.2168, 0.2949** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.8753, 0.6071, 0.3423**, and the grayscale version is **20.0892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9485, 0.2350, 0.3023**, and **13.7281, 0.2123, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **30.0438, 0.2142, 0.2910**, and if you desaturate by 10%, it is **32.0181, 0.2209, 0.2990**.

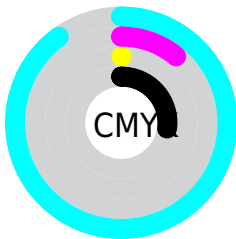
Distribution



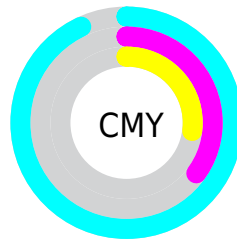
- Red (7%)
- Green (65%)
- Blue (73%)



- Red (7%)
- Yellow (38%)
- Blue (73%)



- Cyan (90%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)





- Cyan (93%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9462, 0.2168, 0.2949 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 30.9462, 0.2168, 0.2949 by changing the saturation by 10% instead.


 30.9462, 0.2168,
0.2949

 30.9462, 0.2168,
0.2949

306.2904, 0.2660,
0.3146

 20.5579, 0.2043,
0.2891


 61.1554, 0.2349,
0.3027


 12.8012, 0.1883,
0.2811


 81.7450, 0.2416,
0.3054


 7.2918, 0.1671,
0.2696


 106.5039, 0.2473,
0.3077

 3.6453, 0.1381,
0.2517

 135.8163, 0.2521,
0.3095

 1.4772, 0.0953,
0.2220

 170.0668, 0.2563,
0.3111

 0.2726, 0.0000,
0.1239

209.6397, 0.2600,

 0.0000, 0.0000,

0.3124

0.0000

254.9195, 0.2632,
0.3136

■ 30.9462, 0.2168,
0.2949

■ 30.9462, 0.2168,
0.2949

■ 30.0438, 0.2142,
0.2910

■ 32.0181, 0.2209,
0.2990

■ 33.2774, 0.2269,
0.3032

■ 34.7490, 0.2348,
0.3073

■ 36.4529, 0.2445,
0.3114

■ 38.4064, 0.2558,
0.3153

■ 40.6255, 0.2686,
0.3191

■ 43.1246, 0.2824,
0.3226

■ 45.9170, 0.2971,
0.3259

■ 49.0151, 0.3122,
0.3289

Harmonies

Analogous

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



30.9462, 0.2405, 0.3483



30.9462, 0.2168, 0.2949



30.9462, 0.2162, 0.2580

Triad

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



30.9462, 0.2168, 0.2949



30.9462, 0.3353, 0.2702



30.9462, 0.3874, 0.4212

Complementary

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



30.9462, 0.2168, 0.2949



11.8753, 0.6071, 0.3423

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.



30.9462, 0.4181, 0.3899



30.9462, 0.2168, 0.2949



30.9462, 0.3879, 0.3057

Square

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



30.9462, 0.2168, 0.2949



30.9462, 0.2803, 0.2477



30.9462, 0.4191, 0.3481



30.9462, 0.3379, 0.4280

Rectangle

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



30.9462, 0.2168, 0.2949



30.9462, 0.2285, 0.2453



30.9462, 0.4191, 0.3481



30.9462, 0.4003, 0.4127

Sweetspot

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



30.9473, 0.2168, 0.2949



74.8589, 0.2724, 0.3201



35.3942, 0.2966, 0.5781



16.1583, 0.2678, 0.3189



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.9473, 0.2168, 0.2949



54.2034, 0.2140, 0.2903



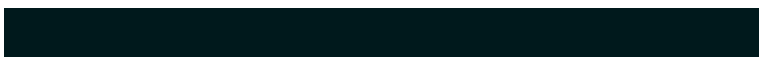
9.7739, 0.1747, 0.1403



10.0229, 0.2985, 0.3262



20.2791, 0.2143, 0.2915



0.7669, 0.2172, 0.3020

Inverse Universe

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



13.6287, 0.3496, 0.1742



23.7447, 0.3541, 0.1724



24.3129, 0.4922, 0.4387



9.1438, 0.3155, 0.3091



8.8295, 0.3530, 0.1718



0.3165, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 30.9462, 0.2168, 0.2949 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 30.9462, 0.2168, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

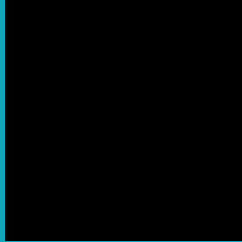
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9462, 0.2168, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 30.9462, 0.2168, 0.2949.

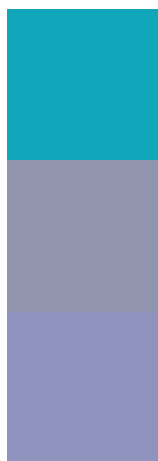


This preview shows how white text looks on a background with the Yxy color 30.9462, 0.2168, 0.2949.

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

30.9462, 0.2168, 0.2949

Protanopia

30.5706, 0.2863, 0.2912

Deuteranopia

30.5144, 0.2723, 0.2660



Tritanopia

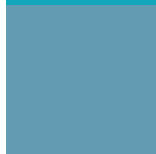
30.9327, 0.2184, 0.3063

Trichromacy



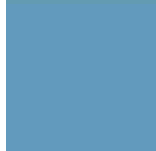
Original Color

30.9462, 0.2168, 0.2949



Protanomaly

29.3097, 0.2474, 0.2911



Deuteranomaly

29.3820, 0.2395, 0.2730



Tritanomaly

31.0600, 0.2181, 0.3031

Monochromacy



Original Color

30.9462, 0.2168, 0.2949



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.5031, 0.2543, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9462, 0.2168, 0.2949 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, 166, 186)` looks like.

```
.text, #text, p{  
  color:rgb(18, 166, 186)  
}
```

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, 166, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 166, 186) }
```

Border

The CSS property to change the border of an element to Yxy 30.9462, 0.2168, 0.2949 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, 166, 186) }
```

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

```
.border{ border-color:rgb(18, 166, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 166, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 166, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 166, 186);  
box-shadow:4px 4px 4px 4px rgb(18, 166,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9462, 0.2168, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 166, 186) }
```

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

```
.background{ background-color: rgb(18, 166,  
186) }
```

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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