

Converting Colors

$Y_{xy}(31.2686, 0.2192, 0.2823)$

Have a look what the booklet for
Yxy(31.2686, 0.2192, 0.2823)
contains.

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Color

Yxy(31.4135, 0.2194, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	31A5C1
RGB	49, 165, 193
RGB Percent	19%, 65%, 76%
CMY	0.8071, 0.3530, 0.2431
CMYK	0.75, 0.15, 0.00, 0.24
HSL	192°, 59%, 47%
HSV	192°, 75%, 76%
XYZ	24.3538, 31.4135, 55.2345
YIQ	133.5080, -78.1240, -15.8840

Conversions

Conversions Part 2

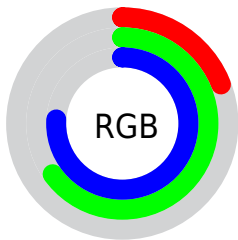
Format	Color
R _Y B	49, 113, 193
Decimal	3253697
CIE Lab	62.86, -22.32, -23.55
CIE LCh	63, 32.445, 226.538
Yxy	31.4135, 0.2194, 0.2830
Android (android.graphics.Color)	4281443777 (0xFF31A5C1)
YUV	133.5080, 29.3296, -74.1135
Hunter-Lab	56.0477, -20.5220, -19.1963

Details

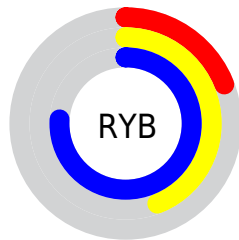
The Yxy color **31.4135, 0.2194, 0.2830** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.8962, 0.5369, 0.3597**, and the grayscale version is **23.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8015, 0.2366, 0.2921**, and **13.6743, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **29.6952, 0.2132, 0.2759**, and if you desaturate by 10%, it is **33.3796, 0.2275, 0.2900**.

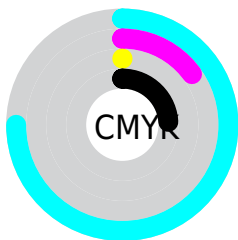
Distribution



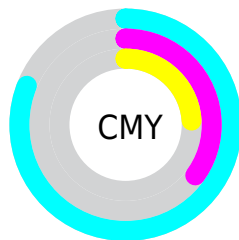
- Red (19%)
- Green (65%)
- Blue (76%)



- Red (19%)
- Yellow (44%)
- Blue (76%)



- Cyan (75%)
- Magenta (15%)
- Yellow (0%)
- Black (24%)



- Cyan (81%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4135, 0.2194, 0.2830 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 31.4135, 0.2194, 0.2830 by changing the saturation by 10% instead.

31.4135, 0.2194,
0.2830

31.4135, 0.2194,
0.2830

308.4388, 0.2671,
0.3086

20.9139, 0.2073,
0.2758

61.8905, 0.2369,
0.2929

13.0611, 0.1919,
0.2661

82.6367, 0.2434,
0.2964

7.4706, 0.1715,
0.2525

107.5673, 0.2489,
0.2993

3.7581, 0.1437,
0.2322

137.0665, 0.2536,
0.3018

1.5392, 0.1048,
0.1997

171.5189, 0.2577,
0.3039

0.3161, 0.0000,
0.1165

211.3088, 0.2612,

0.0000, 0.0000,

0.3057

0.0000

256.8207, 0.2644,
0.3072

■ 31.4135, 0.2194,
0.2830

■ 31.4135, 0.2194,
0.2830

■ 29.6952, 0.2132,
0.2759

■ 33.3796, 0.2275,
0.2900

■ 28.1926, 0.2089,
0.2689

■ 35.6136, 0.2375,
0.2970

■ 27.4303, 0.2070,
0.2651

■ 38.1373, 0.2491,
0.3037

■ 40.9688, 0.2620,
0.3101

■ 44.1249, 0.2760,
0.3161

■ 47.6208, 0.2907,
0.3217

■ 51.4709, 0.3058,
0.3268

■ 55.6884, 0.3211,
0.3315

■ 60.2861, 0.3363,
0.3357

Harmonies

Analogous

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



31.4135, 0.2345, 0.3291



31.4135, 0.2194, 0.2830



31.4135, 0.2264, 0.2548

Triad

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



31.4135, 0.2194, 0.2830



31.4135, 0.3523, 0.2840



31.4135, 0.3685, 0.4211

Complementary

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



31.4135, 0.2194, 0.2830



16.8962, 0.5369, 0.3597

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.



31.4135, 0.4048, 0.3987



31.4135, 0.2194, 0.2830



31.4135, 0.3965, 0.3208

Square

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



31.4135, 0.2194, 0.2830



31.4135, 0.2995, 0.2577



31.4135, 0.4159, 0.3616



31.4135, 0.3190, 0.4163

Rectangle

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



31.4135, 0.2194, 0.2830



31.4135, 0.2428, 0.2473



31.4135, 0.4159, 0.3616



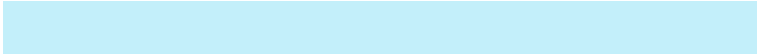
31.4135, 0.3827, 0.4161

Sweetspot

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



31.4146, 0.2194, 0.2830



80.3326, 0.2791, 0.3174



39.3152, 0.2918, 0.5302



16.8825, 0.2752, 0.3158



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.4146, 0.2194, 0.2830



51.5571, 0.2104, 0.2718



12.6425, 0.1878, 0.1586



11.0842, 0.2984, 0.3244



18.3559, 0.2072, 0.2660



0.8805, 0.2116, 0.2816

Inverse Universe

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



16.2659, 0.3588, 0.1952



25.5964, 0.3706, 0.1860



32.5722, 0.4522, 0.4456



10.2128, 0.3167, 0.3107



9.1353, 0.3766, 0.1848



0.4035, 0.3620, 0.1768

Previews

White Background



This preview shows how the Yxy color 31.4135, 0.2194, 0.2830 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 31.4135, 0.2194, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

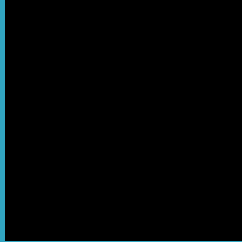
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4135, 0.2194, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 31.4135, 0.2194, 0.2830.

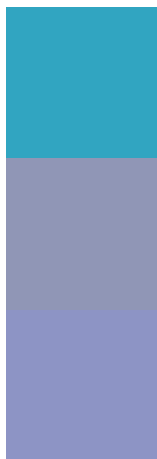


This preview shows how white text looks on a background with the Yxy color 31.4135, 0.2194, 0.2830.

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

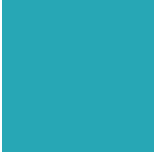
31.4135, 0.2194, 0.2830

Protanopia

31.1194, 0.2789, 0.2813

Deuteranopia

30.8737, 0.2646, 0.2581



Tritanopia

31.4050, 0.2233, 0.3050

Trichromacy



Original Color

31.4135, 0.2194, 0.2830

Protanomaly

30.3029, 0.2497, 0.2801

Deuteranomaly

30.2849, 0.2417, 0.2643

Tritanomaly

31.2888, 0.2219, 0.2969

Monochromacy



Original Color

31.4135, 0.2194, 0.2830

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.5009, 0.2641, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4135, 0.2194, 0.2830 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(49, 165, 193)` looks like.

```
.text, #text, p{  
    color:rgb(49, 165, 193)  
}
```

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(49, 165, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 165, 193) }
```

Border

The CSS property to change the border of an element to Yxy 31.4135, 0.2194, 0.2830 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(49, 165, 193) }
```

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

```
.border{ border-color:rgb(49, 165, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 165, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 165, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 165, 193);  
box-shadow:4px 4px 4px 4px rgb(49, 165,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4135, 0.2194, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 165, 193) }
```

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

```
.background{ background-color: rgb(49, 165,  
193) }
```

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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