

Converting Colors

$Y_{xy}(31.4016, 0.2153, 0.2816)$

Have a look what the booklet for
Yxy(31.4016, 0.2153, 0.2816)
contains.

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Color

Yxy(31.4908, 0.2156, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	21A6C2
RGB	33, 166, 194
RGB Percent	13%, 65%, 76%
CMY	0.8695, 0.3491, 0.2392
CMYK	0.83, 0.14, 0.00, 0.24
HSL	190°, 71%, 45%
HSV	190°, 83%, 76%
XYZ	24.0078, 31.4908, 55.8550
YIQ	129.4250, -88.2560, -19.4880

Conversions

Conversions Part 2

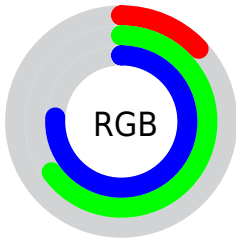
Format	Color
RYB	33, 106, 194
Decimal	2205378
CIELab	62.92, -24.11, -24.03
CIELCh	63, 34.041, 224.912
Yxy	31.4908, 0.2156, 0.2828
Android (android.graphics.Color)	4280395458 (0xFF21A6C2)
YUV	129.4250, 31.8355, -84.5647
Hunter-Lab	56.1167, -21.8383, -19.7318

Details

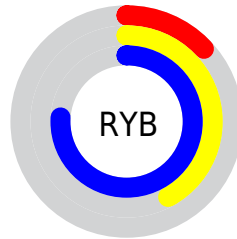
The Yxy color **31.4908, 0.2156, 0.2828** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **14.9511, 0.5733, 0.3540**, and the grayscale version is **22.0482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8661, 0.2334, 0.2919**, and **13.9281, 0.2083, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **30.0430, 0.2112, 0.2766**, and if you desaturate by 10%, it is **33.1579, 0.2218, 0.2891**.

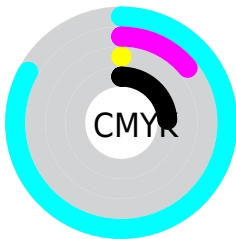
Distribution



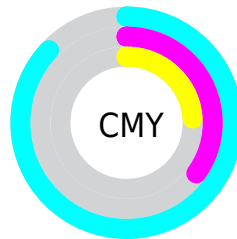
- Red (13%)
- Green (65%)
- Blue (76%)



- Red (13%)
- Yellow (42%)
- Blue (76%)



- Cyan (83%)
- Magenta (14%)
- Yellow (0%)
- Black (24%)





- Cyan (87%)
- Magenta (35%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4908, 0.2156, 0.2828 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 31.4908, 0.2156, 0.2828 by changing the saturation by 10% instead.


 31.4908, 0.2156,
0.2828

 31.4908, 0.2156,
0.2828


308.7931, 0.2651,
0.3086


 20.9729, 0.2032,
0.2755


 62.0120, 0.2337,
0.2928

 13.1042, 0.1872,
0.2657


 82.7840, 0.2405,
0.2964

 7.5003, 0.1663,
0.2519


 107.7428, 0.2462,
0.2993

 3.7769, 0.1380,
0.2312

 137.2729, 0.2511,
0.3018

 1.5496, 0.0987,
0.1983

 171.7585, 0.2553,
0.3039

 0.3232, 0.0000,
0.1155

211.5842, 0.2590,

 0.0000, 0.0000,

0.3057

0.0000

257.1343, 0.2623,
0.3072

■ 31.4908, 0.2156,
0.2828

■ 31.4908, 0.2156,
0.2828

■ 30.0430, 0.2112,
0.2766

■ 33.1579, 0.2218,
0.2891

■ 29.1021, 0.2089,
0.2722

■ 35.0688, 0.2300,
0.2953

■ 37.2478, 0.2400,
0.3014

■ 39.7151, 0.2515,
0.3074

■ 42.4889, 0.2645,
0.3130

■ 45.5857, 0.2785,
0.3183

■ 49.0207, 0.2932,
0.3233

■ 52.8081, 0.3084,
0.3278

■ 56.9613, 0.3237,
0.3319

Harmonies

Analogous

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



31.4908, 0.2325, 0.3318



31.4908, 0.2156, 0.2828



31.4908, 0.2216, 0.2524

Triad

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



31.4908, 0.2156, 0.2828



31.4908, 0.3512, 0.2802



31.4908, 0.3734, 0.4249

Complementary

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



31.4908, 0.2156, 0.2828



14.9511, 0.5733, 0.3540

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.



31.4908, 0.4104, 0.3997



31.4908, 0.2156, 0.2828



31.4908, 0.3986, 0.3179

Square

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



31.4908, 0.2156, 0.2828



31.4908, 0.2959, 0.2536



31.4908, 0.4206, 0.3604



31.4908, 0.3220, 0.4220

Rectangle

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



31.4908, 0.2156, 0.2828



31.4908, 0.2380, 0.2440



31.4908, 0.4206, 0.3604



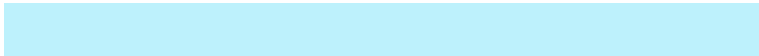
31.4908, 0.3880, 0.4189

Sweetspot

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



31.4919, 0.2156, 0.2828



81.0953, 0.2748, 0.3170



39.2413, 0.2932, 0.5546



17.3157, 0.2698, 0.3151



0.0000, 0.0000, 0.0000



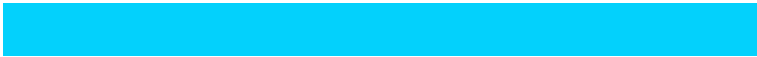
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4919, 0.2156, 0.2828



52.6171, 0.2090, 0.2718



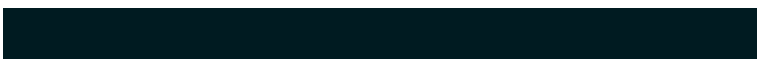
11.0166, 0.1783, 0.1426



11.1200, 0.2984, 0.3249



19.2392, 0.2092, 0.2730



0.9117, 0.2130, 0.2868

Inverse Universe

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



15.3264, 0.3599, 0.1858



25.4321, 0.3710, 0.1821



30.4641, 0.4695, 0.4474



10.2164, 0.3164, 0.3102



9.2244, 0.3700, 0.1812



0.4067, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 31.4908, 0.2156, 0.2828 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 31.4908, 0.2156, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

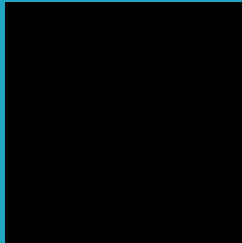
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4908, 0.2156, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 31.4908, 0.2156, 0.2828.

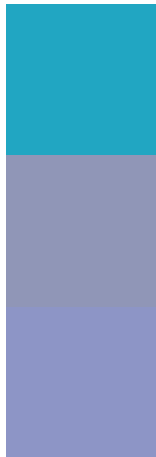


This preview shows how white text looks on a background with the Yxy color 31.4908, 0.2156, 0.2828.

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

31.4908, 0.2156, 0.2828

Protanopia

31.1609, 0.2781, 0.2800

Deuteranopia

31.2348, 0.2640, 0.2583



Tritanopia

31.4407, 0.2187, 0.3048

Trichromacy



Original Color

31.4908, 0.2156, 0.2828

Protanomaly

30.3078, 0.2452, 0.2798

Deuteranomaly

30.2987, 0.2376, 0.2639

Tritanomaly

31.3112, 0.2173, 0.2967

Monochromacy



Original Color

31.4908, 0.2156, 0.2828

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.3777, 0.2587, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4908, 0.2156, 0.2828 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(33, 166, 194)` looks like.

```
.text, #text, p{  
    color:rgb(33, 166, 194)  
}
```

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(33, 166, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 166, 194) }
```

Border

The CSS property to change the border of an element to Yxy 31.4908, 0.2156, 0.2828 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(33, 166, 194) }
```

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

```
.border{ border-color:rgb(33, 166, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 166, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 166, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 166, 194);  
box-shadow:4px 4px 4px 4px rgb(33, 166,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4908, 0.2156, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 166, 194) }
```

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

```
.background{ background-color: rgb(33, 166,  
194) }
```

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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