

Converting Colors

$Yxy(29.0882, 0.2153, 0.2810)$

Have a look what the booklet for
Yxy(29.0882, 0.2153, 0.2810)
contains.

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Color

$Y_{xy}(29.0958, 0.2154, 0.2814)$

Conversions

Conversions Part 1

Format	Color
Hex	21A0BC
RGB	33, 160, 188
RGB Percent	13%, 63%, 74%
CMY	0.8714, 0.3725, 0.2627
CMYK	0.83, 0.15, 0.00, 0.26
HSL	191°, 70%, 43%
HSV	191°, 83%, 74%
XYZ	22.2716, 29.0958, 52.0292
YIQ	125.2190, -84.6800, -18.2160

Conversions

Conversions Part 2

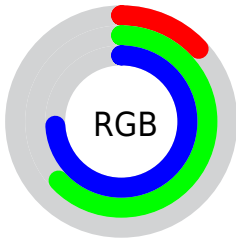
Format	Color
R_{YB}	33, 103, 188
Decimal	2203836
CIE _{Lab}	60.87, -23.07, -23.83
CIE _{LCh}	61, 33.166, 225.936
Yxy	29.0958, 0.2154, 0.2814
Android (android.graphics.Color)	4280393916 (0xFF21A0BC)
YUV	125.2190, 30.9510, -80.8761
Hunter-Lab	53.9405, -20.6946, -19.4307

Details

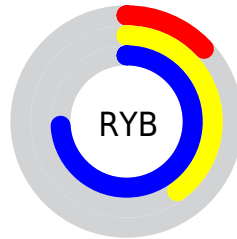
The Yxy color **29.0958, 0.2154, 0.2814** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.1199, 0.5704, 0.3552**, and the grayscale version is **20.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2583, 0.2343, 0.2923**, and **12.4744, 0.2070, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **27.7096, 0.2109, 0.2750**, and if you desaturate by 10%, it is **30.6890, 0.2218, 0.2879**.

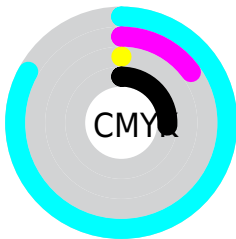
Distribution



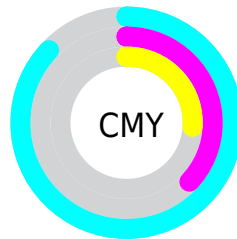
- Red (13%)
- Green (63%)
- Blue (74%)



- Red (13%)
- Yellow (40%)
- Blue (74%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)



- Cyan (87%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0958, 0.2154, 0.2814 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 29.0958, 0.2154, 0.2814 by changing the saturation by 10% instead.

■ 29.0958, 0.2154,
0.2814

■ 29.0958, 0.2154,
0.2814

■ 297.6667, 0.2657,
0.3082

■ 19.1533, 0.2026,
0.2737

■ 58.2293, 0.2339,
0.2919

■ 11.7811, 0.1860,
0.2633

■ 78.1890, 0.2408,
0.2956

■ 6.5948, 0.1641,
0.2484

■ 102.2566, 0.2466,
0.2986

■ 3.2100, 0.1342,
0.2260

■ 130.8165, 0.2516,
0.3012

■ 1.2423, 0.0890,
0.1905

■ 164.2531, 0.2558,
0.3034

■ 0.0959, 0.0000,
0.0454

202.9507, 0.2595,

■ 0.0000, 0.0000,

0.3052

0.0000

247.2938, 0.2628,
0.3068

■ 29.0958, 0.2154,
0.2814

■ 29.0958, 0.2154,
0.2814

■ 27.7096, 0.2109,
0.2750

■ 30.6890, 0.2218,
0.2879

■ 26.7728, 0.2084,
0.2702

■ 32.5115, 0.2301,
0.2944

■ 34.5860, 0.2402,
0.3007

■ 36.9310, 0.2519,
0.3068

■ 39.5633, 0.2649,
0.3127

■ 42.4982, 0.2789,
0.3181

■ 45.7497, 0.2937,
0.3232

■ 49.3311, 0.3088,
0.3279

■ 53.2546, 0.3241,
0.3321

Harmonies

Analogous

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



29.0958, 0.2315, 0.3300



29.0958, 0.2154, 0.2814



29.0958, 0.2222, 0.2517

Triad

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



29.0958, 0.2154, 0.2814



29.0958, 0.3531, 0.2813



29.0958, 0.3719, 0.4254

Complementary

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



29.0958, 0.2154, 0.2814



14.1199, 0.5704, 0.3552

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.



29.0958, 0.4095, 0.4009



29.0958, 0.2154, 0.2814



29.0958, 0.3999, 0.3193

Square

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



29.0958, 0.2154, 0.2814



29.0958, 0.2977, 0.2543



29.0958, 0.4208, 0.3618



29.0958, 0.3201, 0.4214

Rectangle

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



29.0958, 0.2154, 0.2814



29.0958, 0.2390, 0.2438



29.0958, 0.4208, 0.3618



29.0958, 0.3867, 0.4197

Sweetspot

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



29.0968, 0.2154, 0.2814



75.4284, 0.2748, 0.3166



36.6069, 0.2932, 0.5535



15.8171, 0.2699, 0.3147



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.



29.0968, 0.2154, 0.2814



48.4010, 0.2084, 0.2698



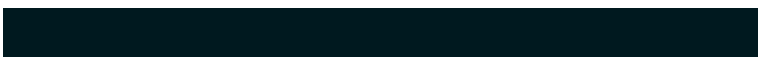
10.3768, 0.1788, 0.1437



10.5087, 0.2985, 0.3248



18.3234, 0.2086, 0.2710



0.7954, 0.2129, 0.2863

Inverse Universe

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



14.3090, 0.3611, 0.1870



23.6499, 0.3730, 0.1831



28.4898, 0.4688, 0.4473



9.6659, 0.3164, 0.3104



8.8795, 0.3719, 0.1822



0.3557, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 29.0958, 0.2154, 0.2814 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 29.0958, 0.2154, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

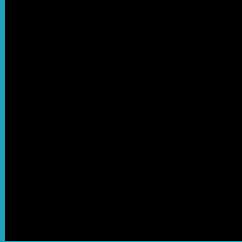
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0958, 0.2154, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 29.0958, 0.2154, 0.2814.

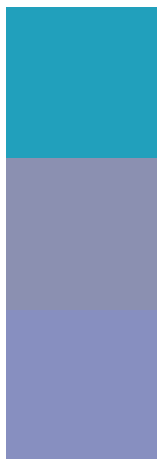


This preview shows how white text looks on a background with the Yxy color 29.0958, 0.2154, 0.2814.

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

29.0958, 0.2154, 0.2814

Protanopia

28.6098, 0.2778, 0.2784

Deuteranopia

28.6016, 0.2624, 0.2559



Tritanopia

28.9810, 0.2189, 0.3058

Trichromacy



Original Color

29.0958, 0.2154, 0.2814



Protanomaly

27.8582, 0.2446, 0.2781



Deuteranomaly

27.8532, 0.2368, 0.2618



Tritanomaly

28.8952, 0.2169, 0.2957

Monochromacy



Original Color

29.0958, 0.2154, 0.2814



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.5392, 0.2580, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0958, 0.2154, 0.2814 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, 160, 188)` looks like.

```
.text, #text, p{  
    color:rgb(33, 160, 188)  
}
```

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, 160, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 160, 188) }
```

Border

The CSS property to change the border of an element to Yxy 29.0958, 0.2154, 0.2814 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, 160, 188) }
```

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

```
.border{ border-color:rgb(33, 160, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 160, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 160, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 160, 188);  
box-shadow:4px 4px 4px 4px rgb(33, 160,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0958, 0.2154, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 160, 188) }
```

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

```
.background{ background-color: rgb(33, 160,  
188) }
```

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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