

Converting Colors

$Y_{xy}(30.6080, 0.2145, 0.2826)$

Have a look what the booklet for
Yxy(30.6080, 0.2145, 0.2826)
contains.

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Color

Yxy(30.5897, 0.2144, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	1BA4C0
RGB	27, 164, 192
RGB Percent	11%, 64%, 75%
CMY	0.8949, 0.3568, 0.2469
CMYK	0.86, 0.15, 0.00, 0.25
HSL	190°, 76%, 43%
HSV	190°, 86%, 75%
XYZ	23.2404, 30.5897, 54.5672
YIQ	126.2290, -90.6400, -20.3360

Conversions

Conversions Part 2

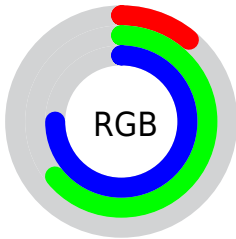
Format	Color
RYB	27, 102, 192
Decimal	1811648
CIELab	62.16, -24.24, -24.10
CIElCh	62, 34.182, 224.844
Yxy	30.5897, 0.2144, 0.2822
Android (android.graphics.Color)	4280001728 (0xFF1BA4C0)
YUV	126.2290, 32.4251, -87.0238
Hunter-Lab	55.3080, -21.7833, -19.7803

Details

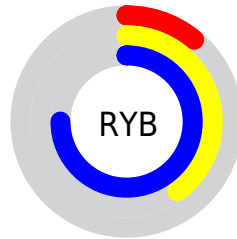
The Yxy color **30.5897, 0.2144, 0.2822** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.0046, 0.5854, 0.3518**, and the grayscale version is **20.8375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4436, 0.2330, 0.2927**, and **13.4233, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **29.2585, 0.2106, 0.2762**, and if you desaturate by 10%, it is **32.1223, 0.2200, 0.2883**.

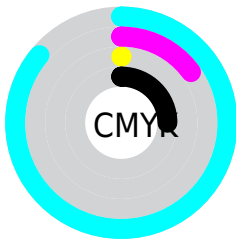
Distribution



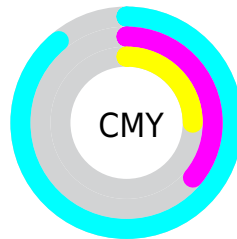
- Red (11%)
- Green (64%)
- Blue (75%)



- Red (11%)
- Yellow (40%)
- Blue (75%)



- Cyan (86%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)




- Cyan (89%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5897, 0.2144, 0.2822 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 30.5897, 0.2144, 0.2822 by changing the saturation by 10% instead.


 30.5897, 0.2144,
0.2822


 30.5897, 0.2144,
0.2822


304.6436, 0.2647,
0.3085


 20.2866, 0.2017,
0.2747


 60.5935, 0.2329,
0.2924


 12.6036, 0.1854,
0.2647


 81.0630, 0.2397,
0.2961


 7.1561, 0.1640,
0.2504


 105.6902, 0.2456,
0.2990

 3.5599, 0.1349,
0.2290

 134.8593, 0.2505,
0.3015

 1.4306, 0.0937,
0.1949

 168.9548, 0.2548,
0.3037

 0.2391, 0.0000,
0.0936

208.3611, 0.2585,

 0.0000, 0.0000,

0.3055

0.0000

253.4625, 0.2618,
0.3071

■ 30.5897, 0.2144,
0.2822

■ 30.5897, 0.2144,
0.2822

■ 29.2585, 0.2106,
0.2762

■ 32.1223, 0.2200,
0.2883

■ 28.7625, 0.2094,
0.2738

■ 33.8832, 0.2275,
0.2943

■ 35.8973, 0.2368,
0.3003

■ 38.1852, 0.2478,
0.3062

■ 40.7651, 0.2603,
0.3117

■ 43.6536, 0.2739,
0.3170

■ 46.8659, 0.2884,
0.3219

■ 50.4160, 0.3035,
0.3265

■ 54.3172, 0.3188,
0.3306

Harmonies

Analogous

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



30.5897, 0.2315, 0.3319



30.5897, 0.2144, 0.2822



30.5897, 0.2205, 0.2514

Triad

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



30.5897, 0.2144, 0.2822



30.5897, 0.3516, 0.2795



30.5897, 0.3743, 0.4262

Complementary

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



30.5897, 0.2144, 0.2822



14.0046, 0.5854, 0.3518

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.



30.5897, 0.4117, 0.4005



30.5897, 0.2144, 0.2822



30.5897, 0.3997, 0.3176

Square

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



30.5897, 0.2144, 0.2822



30.5897, 0.2955, 0.2527



30.5897, 0.4221, 0.3605



30.5897, 0.3221, 0.4235

Rectangle

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



30.5897, 0.2144, 0.2822



30.5897, 0.2369, 0.2430



30.5897, 0.4221, 0.3605



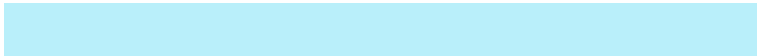
30.5897, 0.3891, 0.4201

Sweetspot

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



30.5908, 0.2144, 0.2822



78.8634, 0.2734, 0.3168



38.2135, 0.2936, 0.5616



16.5146, 0.2686, 0.3150



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.



30.5908, 0.2144, 0.2822



51.7708, 0.2091, 0.2729



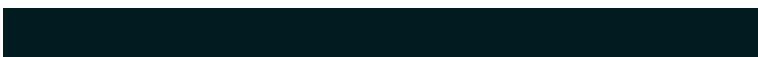
10.0534, 0.1749, 0.1355



11.1283, 0.2984, 0.3250



19.4461, 0.2096, 0.2746



0.9189, 0.2133, 0.2880

Inverse Universe

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



14.6659, 0.3607, 0.1835



24.8357, 0.3701, 0.1812



29.1673, 0.4745, 0.4482



10.2172, 0.3163, 0.3101



9.2453, 0.3685, 0.1804



0.4074, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 30.5897, 0.2144, 0.2822 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 30.5897, 0.2144, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

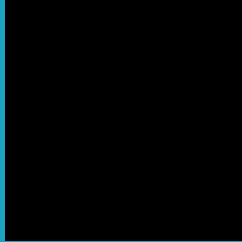
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5897, 0.2144, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 30.5897, 0.2144, 0.2822.

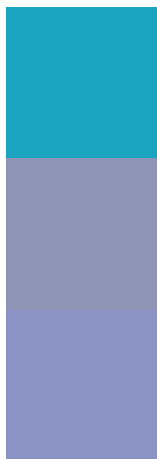


This preview shows how white text looks on a background with the Yxy color 30.5897, 0.2144, 0.2822.

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

30.5897, 0.2144, 0.2822

Protanopia

30.2668, 0.2777, 0.2794

Deuteranopia

30.2562, 0.2626, 0.2573



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.5897, 0.2144, 0.2822



Protanomaly

29.3233, 0.2433, 0.2790



Deuteranomaly

29.3193, 0.2357, 0.2629



Tritanomaly

30.4355, 0.2164, 0.2963

Monochromacy



Original Color

30.5897, 0.2144, 0.2822



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.1318, 0.2562, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5897, 0.2144, 0.2822 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(27, 164, 192)` looks like.

```
.text, #text, p{  
    color:rgb(27, 164, 192)  
}
```

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(27, 164, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 164, 192) }
```

Border

The CSS property to change the border of an element to Yxy 30.5897, 0.2144, 0.2822 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(27, 164, 192) }
```

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

```
.border{ border-color:rgb(27, 164, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 164, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 164, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 164, 192);  
box-shadow:4px 4px 4px 4px rgb(27, 164,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5897, 0.2144, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 164, 192) }
```

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

```
.background{ background-color: rgb(27, 164,  
192) }
```

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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