

Converting Colors

$Yxy(30.4025, 0.2177, 0.2677)$

Have a look what the booklet for
Yxy(30.4025, 0.2177, 0.2677)
contains.

Yxy(30.5128, 0.2177, 0.2678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.5128, 0.2177, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	3AA1C7
RGB	58, 161, 199
RGB Percent	23%, 63%, 78%
CMY	0.7721, 0.3687, 0.2196
CMYK	0.71, 0.19, 0.00, 0.22
HSL	196°, 56%, 50%
HSV	196°, 71%, 78%
XYZ	24.8045, 30.5128, 58.6215
YIQ	134.5350, -73.5860, -10.0180

Conversions

Conversions Part 2

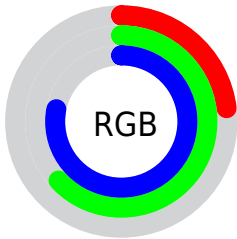
Format	Color
RYB	58, 118, 199
Decimal	3842503
CIELab	62.09, -17.09, -28.06
CIELCh	62, 32.853, 238.653
Yxy	30.5128, 0.2177, 0.2678
Android (android.graphics.Color)	4282032583 (0xFF3AA1C7)
YUV	134.5350, 31.7812, -67.1212
Hunter-Lab	55.2384, -16.5128, -24.2544

Details

The Yxy color **30.5128, 0.2177, 0.2678** 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 **20.8423, 0.5102, 0.3728**, and the grayscale version is **23.9608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4693, 0.2358, 0.2816**, and **12.9816, 0.2023, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **28.1901, 0.2097, 0.2577**, and if you desaturate by 10%, it is **33.1488, 0.2276, 0.2778**.

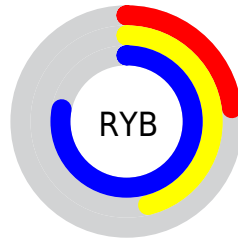
Distribution



Red (23%)

Green (63%)

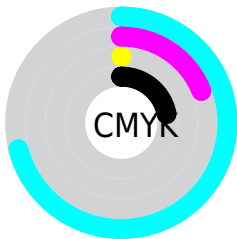
Blue (78%)



Red (23%)

Yellow (46%)

Blue (78%)

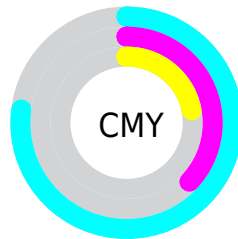


Cyan (71%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (77%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5128, 0.2177, 0.2678 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 30.5128, 0.2177, 0.2678 by changing the saturation by 10% instead.

■ 30.5128, 0.2177,
0.2678

■ 30.5128, 0.2177,
0.2678

■ 304.2875, 0.2664,
0.3011

■ 20.2281, 0.2054,
0.2587

■ 60.4722, 0.2355,
0.2805

■ 12.5610, 0.1897,
0.2467

■ 80.9157, 0.2422,
0.2851

■ 7.1269, 0.1690,
0.2302

■ 105.5144, 0.2478,
0.2889

■ 3.5416, 0.1410,
0.2062

■ 134.6524, 0.2526,
0.2921

■ 1.4206, 0.1022,
0.1698

■ 168.7144, 0.2568,
0.2948

■ 0.2318, 0.0000,
0.0757

208.0846, 0.2604,

■ 0.0000, 0.0000,

0.2972

0.0000

253.1475, 0.2636,
0.2993

■ 30.5128, 0.2177,
0.2678

■ 30.5128, 0.2177,
0.2678

■ 28.1901, 0.2097,
0.2577

■ 33.1488, 0.2276,
0.2778

■ 26.1483, 0.2037,
0.2476

■ 36.1197, 0.2392,
0.2876

■ 24.4685, 0.1996,
0.2384

■ 39.4483, 0.2522,
0.2970

■ 43.1541, 0.2662,
0.3058

■ 47.2552, 0.2810,
0.3140

■ 51.7682, 0.2962,
0.3216

■ 56.7086, 0.3115,
0.3285

■ 62.0912, 0.3267,
0.3347

■ 67.9297, 0.3415,
0.3402

Harmonies

Analogous

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



30.5128, 0.2240, 0.3083



30.5128, 0.2177, 0.2678



30.5128, 0.2337, 0.2475

Triad

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



30.5128, 0.2177, 0.2678



30.5128, 0.3735, 0.2972



30.5128, 0.3500, 0.4252

Complementary

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



30.5128, 0.2177, 0.2678



20.8423, 0.5102, 0.3728

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.



30.5128, 0.3942, 0.4119



30.5128, 0.2177, 0.2678



30.5128, 0.4101, 0.3372

Square

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



30.5128, 0.2177, 0.2678



30.5128, 0.3208, 0.2655



30.5128, 0.4172, 0.3784



30.5128, 0.2980, 0.4071

Rectangle

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



30.5128, 0.2177, 0.2678



30.5128, 0.2558, 0.2454



30.5128, 0.4172, 0.3784



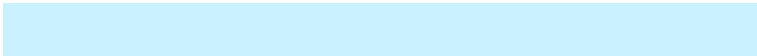
30.5128, 0.3663, 0.4239

Sweetspot

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



30.5139, 0.2177, 0.2678



82.3439, 0.2803, 0.3136



42.5943, 0.2863, 0.5023



17.1813, 0.2761, 0.3114



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.



30.5139, 0.2177, 0.2678



47.3461, 0.2062, 0.2522



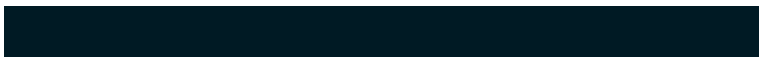
12.5088, 0.1883, 0.1490



11.5647, 0.2984, 0.3226



15.8830, 0.1999, 0.2398



0.8673, 0.2057, 0.2606

Inverse Universe

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



17.7550, 0.3718, 0.2095



26.6710, 0.3890, 0.1997



39.7728, 0.4343, 0.4548



10.7659, 0.3178, 0.3123



9.1434, 0.4025, 0.1991



0.4446, 0.3819, 0.1877

Previews

White Background



This preview shows how the Yxy color 30.5128, 0.2177, 0.2678 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 30.5128, 0.2177, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

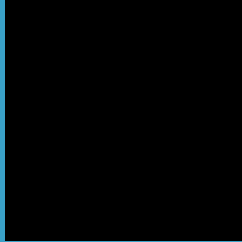
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5128, 0.2177, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 30.5128, 0.2177, 0.2678.

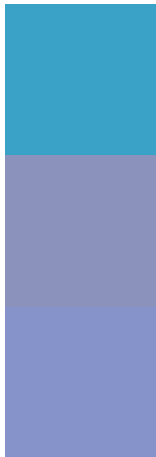


This preview shows how white text looks on a background with the Yxy color 30.5128, 0.2177, 0.2678.

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

30.5128, 0.2177, 0.2678

Protanopia

30.0305, 0.2687, 0.2666

Deuteranopia

30.2000, 0.2552, 0.2492



Tritanopia

30.6382, 0.2249, 0.3065

Trichromacy



Original Color

30.5128, 0.2177, 0.2678

Protanomaly

29.6217, 0.2444, 0.2653

Deuteranomaly

29.7377, 0.2369, 0.2542

Tritanomaly

30.7245, 0.2220, 0.2920

Monochromacy



Original Color

30.5128, 0.2177, 0.2678

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.5409, 0.2648, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5128, 0.2177, 0.2678 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(58, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(58, 161, 199)  
}
```

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(58, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 161, 199) }
```

Border

The CSS property to change the border of an element to Yxy 30.5128, 0.2177, 0.2678 is called "border". The border property can be set on classes, ids or directly on the HTML element.

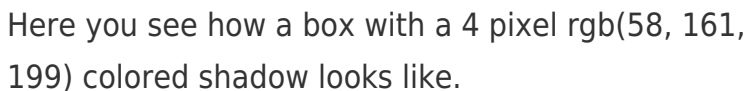
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 161, 199) }
```

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

```
.border{ border-color:rgb(58, 161, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(58, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 161, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 161, 199); box-shadow:4px 4px 4px 4px rgb(58, 161, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5128, 0.2177, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 161, 199) }
```

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

```
.background{ background-color: rgb(58, 161,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor