

Converting Colors

$Y_{xy}(17.7576, 0.2107, 0.2770)$

Have a look what the booklet for
Yxy(17.7576, 0.2107, 0.2770)
contains.

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Color

$Y_{xy}(17.7576, 0.2107, 0.2770)$

Conversions

Conversions Part 1

Format	Color
Hex	038099
RGB	3, 128, 153
RGB Percent	1%, 50%, 60%
CMY	0.9871, 0.4980, 0.4001
CMYK	0.98, 0.16, 0.00, 0.40
HSL	190°, 96%, 31%
HSV	190°, 98%, 60%
XYZ	13.5073, 17.7576, 32.8419
YIQ	93.4750, -82.5250, -18.7250

Conversions

Conversions Part 2

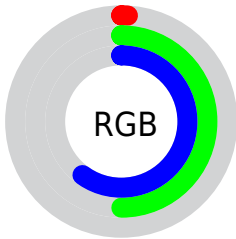
Format	Color
RYB	3, 71, 153
Decimal	229529
CIELab	49.20, -20.11, -21.71
CIElCh	49, 29.598, 227.189
Yxy	17.7576, 0.2107, 0.2770
Android (android.graphics.Color)	4278419609 (0xFF038099)
YUV	93.4750, 29.3458, -79.3466
Hunter-Lab	42.1398, -16.5289, -16.7103

Details

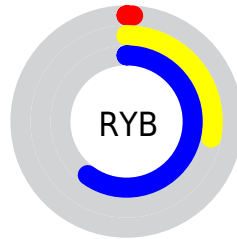
The Yxy color **17.7576, 0.2107, 0.2770** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.6204, 0.6157, 0.3457**, and the grayscale version is **11.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5790, 0.2327, 0.2904**, and **6.5513, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **17.5942, 0.2099, 0.2757**, and if you desaturate by 10%, it is **18.5457, 0.2145, 0.2828**.

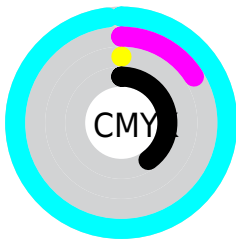
Distribution



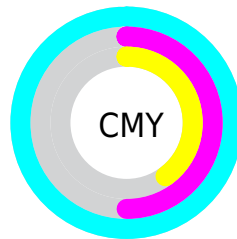
- Red (1%)
- Green (50%)
- Blue (60%)



- Red (1%)
- Yellow (28%)
- Blue (60%)



- Cyan (98%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)





- Cyan (99%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7576, 0.2107, 0.2770 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 17.7576, 0.2107, 0.2770 by changing the saturation by 10% instead.


 17.7576, 0.2107,
0.2770


 17.7576, 0.2107,
0.2770


 239.5012, 0.2674,
0.3083

 10.7761, 0.1947,
0.2669


 39.6238, 0.2327,
0.2899

 5.9165, 0.1730,
0.2524

 55.2774, 0.2406,
0.2943

 2.7944, 0.1428,
0.2301

 74.5904, 0.2470,
0.2978

 1.0253, 0.0906,
0.1946

 97.9472, 0.2524,
0.3007

 0.0000, 0.0000,
0.0000

 125.7324, 0.2570,
0.3031

 158.3301, 0.2610,

0.3051

196.1249, 0.2644,
0.3068

■ 17.7576, 0.2107,
0.2770

■ 17.7576, 0.2107,
0.2770

■ 17.5942, 0.2099,
0.2757

■ 18.5457, 0.2145,
0.2828

■ 19.4407, 0.2198,
0.2887

■ 20.4683, 0.2271,
0.2945

■ 21.6422, 0.2361,
0.3003

■ 22.9744, 0.2467,
0.3060

■ 24.4754, 0.2588,
0.3114

■ 26.1548, 0.2721,
0.3165

■ 28.0214, 0.2862,
0.3213

■ 30.0833, 0.3009,
0.3258

Harmonies

Analogous

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



17.7576, 0.2264, 0.3274



17.7576, 0.2107, 0.2770



17.7576, 0.2188, 0.2471

Triad

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



17.7576, 0.2107, 0.2770



17.7576, 0.3574, 0.2805



17.7576, 0.3725, 0.4308

Complementary

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



17.7576, 0.2107, 0.2770



7.6204, 0.6157, 0.3457

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.



17.7576, 0.4131, 0.4056



17.7576, 0.2107, 0.2770



17.7576, 0.4060, 0.3204

Square

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



17.7576, 0.2107, 0.2770



17.7576, 0.2991, 0.2517



17.7576, 0.4266, 0.3648



17.7576, 0.3178, 0.4256

Rectangle

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



17.7576, 0.2107, 0.2770



17.7576, 0.2369, 0.2396



17.7576, 0.4266, 0.3648



17.7576, 0.3883, 0.4251

Sweetspot

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



17.7582, 0.2107, 0.2770



46.3144, 0.2697, 0.3157



22.8808, 0.2952, 0.5802



9.9630, 0.2645, 0.3137



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



17.7582, 0.2107, 0.2770



31.2860, 0.2096, 0.2746



4.8834, 0.1658, 0.1145



6.8510, 0.2989, 0.3252



14.5878, 0.2101, 0.2762



0.2592, 0.2172, 0.3020

Inverse Universe

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



8.3998, 0.3661, 0.1802



14.8710, 0.3685, 0.1803



16.4937, 0.4890, 0.4478



6.3059, 0.3161, 0.3107



6.8779, 0.3670, 0.1796



0.1070, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 17.7576, 0.2107, 0.2770 looks on a white 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

Black Background



This preview shows how the Yxy color 17.7576, 0.2107, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

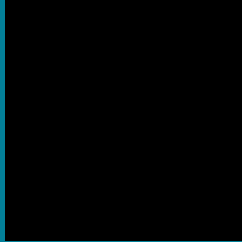
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7576, 0.2107, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 17.7576, 0.2107, 0.2770.

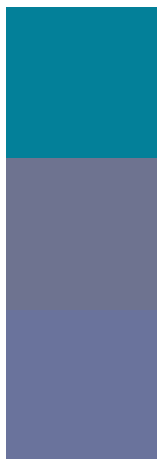


This preview shows how white text looks on a background with the Yxy color 17.7576, 0.2107, 0.2770.

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

17.7576, 0.2107, 0.2770

Protanopia

17.5901, 0.2748, 0.2747

Deuteranopia

17.7259, 0.2592, 0.2542



Tritanopia

17.8587, 0.2186, 0.3070

Trichromacy



Original Color

17.7576, 0.2107, 0.2770

Protanomaly

16.8791, 0.2369, 0.2742

Deuteranomaly

17.0647, 0.2298, 0.2599

Tritanomaly

17.7513, 0.2153, 0.2946

Monochromacy



Original Color

17.7576, 0.2107, 0.2770

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5380, 0.2492, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7576, 0.2107, 0.2770 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(3, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(3, 128, 153)  
}
```

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(3, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 128, 153) }
```

Border

The CSS property to change the border of an element to Yxy 17.7576, 0.2107, 0.2770 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(3, 128, 153) }
```

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

```
.border{ border-color:rgb(3, 128, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 128, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(3, 128,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7576, 0.2107, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 128, 153) }
```

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

```
.background{ background-color: rgb(3, 128,  
153) }
```

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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