

Converting Colors

$Yxy(13.7422, 0.1063, 0.2633)$

Have a look what the booklet for
Yxy(13.7422, 0.1063, 0.2633)
contains.

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Color

$\text{Yxy}(17.7714, 0.2097, 0.2751)$

Conversions

Conversions Part 1

Format	Color
Hex	00809A
RGB	0, 128, 154
RGB Percent	0%, 50%, 60%
CMY	1.0000, 0.4980, 0.3961
CMYK	1.00, 0.17, 0.00, 0.40
HSL	190°, 100%, 30%
HSV	190°, 100%, 60%
XYZ	13.5466, 17.7714, 33.2818
YIQ	92.6920, -84.6340, -19.0500

Conversions

Conversions Part 2

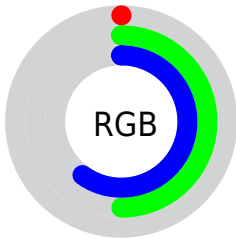
Format	Color
RYB	0, 70, 154
Decimal	32922
CIELab	49.22, -19.93, -22.28
CIElCh	49, 29.896, 228.180
Yxy	17.7714, 0.2097, 0.2751
Android (android.graphics.Color)	4278223002 (0xFF00809A)
YUV	92.6920, 30.2248, -81.2909
Hunter-Lab	42.1561, -16.4135, -17.2995

Details

The Yxy color **17.7714, 0.2097, 0.2751** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.6062, 0.6211, 0.3450**, and the grayscale version is **10.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6281, 0.2322, 0.2890**, and **6.5712, 0.2045, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **17.7749, 0.2098, 0.2751**, and if you desaturate by 10%, it is **18.5662, 0.2134, 0.2810**.

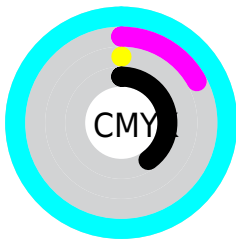
Distribution



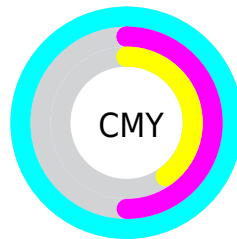
- Red (0%)
- Green (50%)
- Blue (60%)



- Red (0%)
- Yellow (27%)
- Blue (60%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7714, 0.2097, 0.2751 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 17.7714, 0.2097, 0.2751 by changing the saturation by 10% instead.


 17.7714, 0.2097,
0.2751

 17.7714, 0.2097,
0.2751


 239.5794, 0.2669,
0.3075

 10.7860, 0.1936,
0.2647


 39.6474, 0.2319,
0.2884


 5.9231, 0.1718,
0.2499

 55.3068, 0.2398,
0.2929


 2.7984, 0.1415,
0.2271

 74.6263, 0.2463,
0.2966

 1.0274, 0.0898,
0.1909

 97.9903, 0.2518,
0.2995

 0.0000, 0.0000,
0.0000

 125.7832, 0.2564,
0.3020

 158.3895, 0.2604,

0.3041

196.1934, 0.2639,
0.3059

■ 17.7714, 0.2097,
0.2751

■ 17.7714, 0.2097,
0.2751

■ 17.7749, 0.2098,
0.2751

■ 18.5662, 0.2134,
0.2810

■ 19.4532, 0.2184,
0.2869

■ 20.4719, 0.2252,
0.2929

■ 21.6367, 0.2339,
0.2987

■ 22.9601, 0.2442,
0.3045

■ 24.4531, 0.2561,
0.3100

■ 26.1256, 0.2691,
0.3153

■ 27.9867, 0.2831,
0.3202

■ 30.0449, 0.2977,
0.3248

Harmonies

Analogous

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



17.7714, 0.2247, 0.3254



17.7714, 0.2097, 0.2751



17.7714, 0.2187, 0.2458

Triad

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



17.7714, 0.2097, 0.2751



17.7714, 0.3598, 0.2812



17.7714, 0.3713, 0.4322

Complementary

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



17.7714, 0.2097, 0.2751



7.6062, 0.6211, 0.3450

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.



17.7714, 0.4131, 0.4074



17.7714, 0.2097, 0.2751



17.7714, 0.4081, 0.3217

Square

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



17.7714, 0.2097, 0.2751



17.7714, 0.3009, 0.2518



17.7714, 0.4278, 0.3665



17.7714, 0.3159, 0.4258

Rectangle

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



17.7714, 0.2097, 0.2751



17.7714, 0.2374, 0.2387



17.7714, 0.4278, 0.3665



17.7714, 0.3874, 0.4267

Sweetspot

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



17.7749, 0.2098, 0.2751



47.2761, 0.2683, 0.3150



23.1798, 0.2954, 0.5834



10.4232, 0.2631, 0.3130



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



17.7749, 0.2098, 0.2751



32.0494, 0.2094, 0.2740



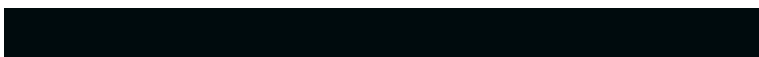
4.7291, 0.1640, 0.1103



6.8492, 0.2989, 0.3252



14.5293, 0.2099, 0.2756



0.2587, 0.2172, 0.3017

Inverse Universe

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



8.4276, 0.3680, 0.1801



15.2875, 0.3691, 0.1807



16.5012, 0.4920, 0.4475



6.3057, 0.3162, 0.3107



6.8720, 0.3676, 0.1799



0.1069, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 17.7714, 0.2097, 0.2751 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 17.7714, 0.2097, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

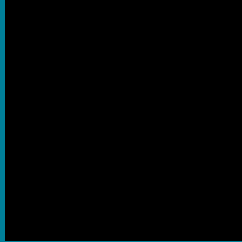
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7714, 0.2097, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 17.7714, 0.2097, 0.2751.

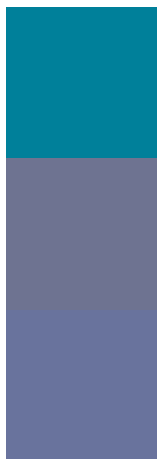


This preview shows how white text looks on a background with the Yxy color 17.7714, 0.2097, 0.2751.

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

17.7714, 0.2097, 0.2751

Protanopia

17.6208, 0.2738, 0.2730

Deuteranopia

17.6990, 0.2574, 0.2525



Tritanopia

17.8587, 0.2186, 0.3070

Trichromacy



Original Color

17.7714, 0.2097, 0.2751

Protanomaly

16.8732, 0.2354, 0.2723

Deuteranomaly

17.0265, 0.2277, 0.2580

Tritanomaly

17.7448, 0.2152, 0.2946

Monochromacy



Original Color

17.7714, 0.2097, 0.2751

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.4757, 0.2474, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7714, 0.2097, 0.2751 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(0, 128, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 154)  
}
```

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(0, 128, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 154) }
```

Border

The CSS property to change the border of an element to Yxy 17.7714, 0.2097, 0.2751 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(0, 128, 154) }
```

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

```
.border{ border-color:rgb(0, 128, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7714, 0.2097, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 154) }
```

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

```
.background{ background-color: rgb(0, 128,  
154) }
```

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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