

Converting Colors

$Yxy(17.7518, 0.2105, 0.2769)$

Have a look what the booklet for
Yxy(17.7518, 0.2105, 0.2769)
contains.

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Color

Yxy(17.7512, 0.2105, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	028099
RGB	2, 128, 153
RGB Percent	1%, 50%, 60%
CMY	0.9924, 0.4980, 0.3999
CMYK	0.99, 0.16, 0.00, 0.40
HSL	190°, 98%, 30%
HSV	190°, 99%, 60%
XYZ	13.4945, 17.7512, 32.8612
YIQ	93.1760, -83.1210, -18.9370

Conversions

Conversions Part 2

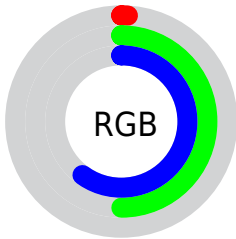
Format	Color
RYB	2, 71, 153
Decimal	163993
CIELab	49.19, -20.16, -21.75
CIELCh	49, 29.660, 227.172
Yxy	17.7512, 0.2105, 0.2769
Android (android.graphics.Color)	4278354073 (0xFF028099)
YUV	93.1760, 29.4932, -79.9614
Hunter-Lab	42.1322, -16.5596, -16.7510

Details

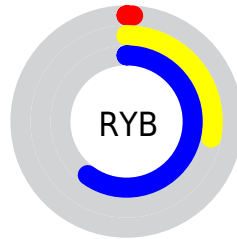
The Yxy color **17.7512, 0.2105, 0.2769** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.5602, 0.6183, 0.3452**, and the grayscale version is **10.9295, 0.3127, 0.3290**.

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 **17.6562, 0.2101, 0.2762**, and if you desaturate by 10%, it is **18.5300, 0.2142, 0.2827**.

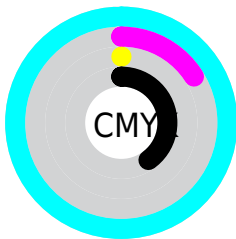
Distribution



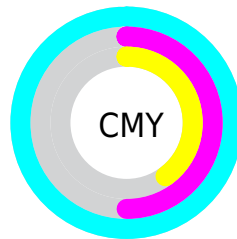
- Red (1%)
- Green (50%)
- Blue (60%)



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



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7512, 0.2105, 0.2769 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 17.7512, 0.2105, 0.2769 by changing the saturation by 10% instead.


 17.7512, 0.2105,
0.2769


 17.7512, 0.2105,
0.2769


 239.4649, 0.2673,
0.3083


 10.7715, 0.1944,
0.2668


 39.6129, 0.2326,
0.2898


 5.9134, 0.1728,
0.2523

 55.2637, 0.2404,
0.2942


 2.7925, 0.1425,
0.2299

 74.5737, 0.2469,
0.2977

 1.0244, 0.0902,
0.1944

 97.9273, 0.2523,
0.3006

 0.0000, 0.0000,
0.0000

 125.7088, 0.2569,
0.3030

 158.3026, 0.2609,

0.3050

196.0932, 0.2643,
0.3068

■ 17.7512, 0.2105,
0.2769

■ 17.7512, 0.2105,
0.2769

■ 17.6562, 0.2101,
0.2762

■ 18.5300, 0.2142,
0.2827

■ 19.4104, 0.2194,
0.2885

■ 20.4218, 0.2264,
0.2943

■ 21.5784, 0.2353,
0.3000

■ 22.8920, 0.2458,
0.3057

■ 24.3733, 0.2577,
0.3111

■ 26.0321, 0.2709,
0.3162

■ 27.8772, 0.2849,
0.3210

■ 29.9168, 0.2996,
0.3254

Harmonies

Analogous

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



17.7512, 0.2262, 0.3274



17.7512, 0.2105, 0.2769



17.7512, 0.2186, 0.2470

Triad

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



17.7512, 0.2105, 0.2769



17.7512, 0.3575, 0.2804



17.7512, 0.3726, 0.4311

Complementary

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



17.7512, 0.2105, 0.2769



7.5602, 0.6183, 0.3452

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.



17.7512, 0.4133, 0.4057



17.7512, 0.2105, 0.2769



17.7512, 0.4062, 0.3203

Square

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



17.7512, 0.2105, 0.2769



17.7512, 0.2991, 0.2516



17.7512, 0.4269, 0.3648



17.7512, 0.3179, 0.4259

Rectangle

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



17.7512, 0.2105, 0.2769



17.7512, 0.2367, 0.2395



17.7512, 0.4269, 0.3648



17.7512, 0.3884, 0.4253

Sweetspot

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



17.7518, 0.2105, 0.2769



46.0310, 0.2684, 0.3153



22.8705, 0.2960, 0.5840



9.9082, 0.2633, 0.3133



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.



17.7518, 0.2105, 0.2769



31.3779, 0.2098, 0.2751



5.0276, 0.1663, 0.1172



6.8524, 0.2989, 0.3252



14.6293, 0.2102, 0.2766



0.2596, 0.2173, 0.3022

Inverse Universe

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



8.3749, 0.3663, 0.1798



14.8803, 0.3680, 0.1801



15.9197, 0.4945, 0.4442



6.3061, 0.3161, 0.3106



6.8821, 0.3666, 0.1793



0.1070, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 17.7512, 0.2105, 0.2769 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 17.7512, 0.2105, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

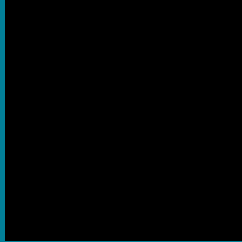
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7512, 0.2105, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 17.7512, 0.2105, 0.2769.

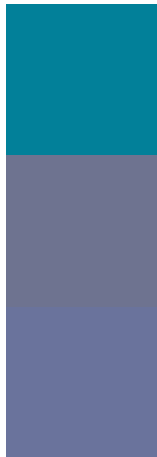


This preview shows how white text looks on a background with the Yxy color 17.7512, 0.2105, 0.2769.

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

17.7512, 0.2105, 0.2769

Protanopia

17.5901, 0.2748, 0.2747

Deuteranopia

17.7259, 0.2592, 0.2542



Tritanopia

17.8587, 0.2186, 0.3070

Trichromacy



Original Color

17.7512, 0.2105, 0.2769

Protanomaly

16.8791, 0.2369, 0.2742

Deuteranomaly

17.0284, 0.2291, 0.2598

Tritanomaly

17.7513, 0.2153, 0.2946

Monochromacy



Original Color

17.7512, 0.2105, 0.2769

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.5065, 0.2483, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7512, 0.2105, 0.2769 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(2, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 128, 153) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 17.7512, 0.2105, 0.2769 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(2, 128, 153) }
```

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

```
.border{ border-color:rgb(2, 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(2, 128, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(2, 128,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7512, 0.2105, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 128, 153) }
```

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

```
.background{ background-color: rgb(2, 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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