

Converting Colors

$Y_{xy}(17.4787, 0.2097, 0.2747)$

Have a look what the booklet for
Yxy(17.4787, 0.2097, 0.2747)
contains.

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Color

Yxy(17.4787, 0.2097, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	007F99
RGB	0, 127, 153
RGB Percent	0%, 50%, 60%
CMY	0.9983, 0.5020, 0.4000
CMYK	1.00, 0.17, 0.00, 0.40
HSL	190°, 99%, 30%
HSV	190°, 100%, 60%
XYZ	13.3429, 17.4787, 32.8068
YIQ	91.9910, -84.0380, -18.8380

Conversions

Conversions Part 2

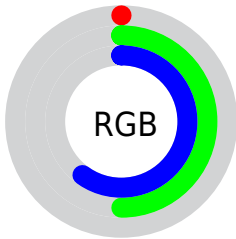
Format	Color
R _Y B	0, 69, 153
Decimal	32665
CIE Lab	48.86, -19.70, -22.26
CIE LCh	49, 29.722, 228.490
Yxy	17.4787, 0.2097, 0.2747
Android (android.graphics.Color)	4278222745 (0xFF007F99)
YUV	91.9910, 30.0774, -80.6761
Hunter-Lab	41.8075, -16.1950, -17.2601

Details

The Yxy color **17.4787, 0.2097, 0.2747** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.5316, 0.6200, 0.3454**, and the grayscale version is **10.6745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1737, 0.2324, 0.2888**, and **6.4081, 0.2044, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **17.4574, 0.2096, 0.2745**, and if you desaturate by 10%, it is **18.2668, 0.2134, 0.2807**.

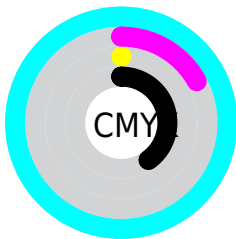
Distribution



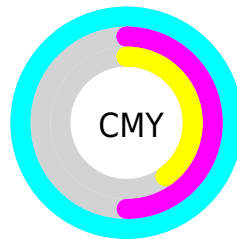
- Red (0%)
- Green (50%)
- Blue (60%)



- 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 17.4787, 0.2097, 0.2747 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 17.4787, 0.2097, 0.2747 by changing the saturation by 10% instead.

17.4787, 0.2097,
0.2747

17.4787, 0.2097,
0.2747

237.9161, 0.2671,
0.3074

10.5764, 0.1935,
0.2642

39.1470, 0.2320,
0.2882

5.7828, 0.1715,
0.2491

54.6818, 0.2399,
0.2927

2.7134, 0.1409,
0.2260

73.8629, 0.2465,
0.2964

0.9840, 0.0869,
0.1895

97.0746, 0.2519,
0.2994

0.0000, 0.0000,
0.0000

124.7014, 0.2566,
0.3019

157.1276, 0.2606,

0.3040

194.7377, 0.2640,
0.3058

■ 17.4787, 0.2097,
0.2747

■ 17.4787, 0.2097,
0.2747

■ 17.4574, 0.2096,
0.2745

■ 18.2668, 0.2134,
0.2807

■ 19.1507, 0.2185,
0.2866

■ 20.1652, 0.2254,
0.2927

■ 21.3244, 0.2341,
0.2986

■ 22.6405, 0.2445,
0.3044

■ 24.1244, 0.2564,
0.3100

■ 25.7857, 0.2695,
0.3153

■ 27.6334, 0.2835,
0.3203

■ 29.6759, 0.2982,
0.3249

Harmonies

Analogous

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



17.4787, 0.2244, 0.3248



17.4787, 0.2097, 0.2747



17.4787, 0.2189, 0.2456

Triad

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



17.4787, 0.2097, 0.2747



17.4787, 0.3603, 0.2816



17.4787, 0.3707, 0.4323

Complementary

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



17.4787, 0.2097, 0.2747



7.5316, 0.6200, 0.3454

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.



17.4787, 0.4127, 0.4077



17.4787, 0.2097, 0.2747



17.4787, 0.4085, 0.3222

Square

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



17.4787, 0.2097, 0.2747



17.4787, 0.3015, 0.2520



17.4787, 0.4278, 0.3669



17.4787, 0.3154, 0.4256

Rectangle

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



17.4787, 0.2097, 0.2747



17.4787, 0.2378, 0.2387



17.4787, 0.4278, 0.3669



17.4787, 0.3869, 0.4269

Sweetspot

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



17.4793, 0.2097, 0.2747



45.9061, 0.2683, 0.3149



22.8589, 0.2954, 0.5830



9.8775, 0.2632, 0.3128



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.



17.4793, 0.2097, 0.2747



31.0271, 0.2093, 0.2734



4.6956, 0.1642, 0.1109



6.8473, 0.2989, 0.3251



14.4706, 0.2097, 0.2750



0.2582, 0.2171, 0.3014

Inverse Universe

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



8.3137, 0.3684, 0.1805



14.8448, 0.3696, 0.1810



16.3042, 0.4916, 0.4476



6.3056, 0.3162, 0.3107



6.8661, 0.3681, 0.1802



0.1069, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 17.4787, 0.2097, 0.2747 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 17.4787, 0.2097, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

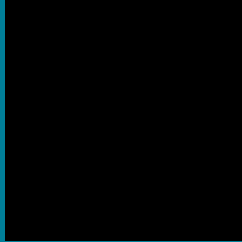
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4787, 0.2097, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 17.4787, 0.2097, 0.2747.

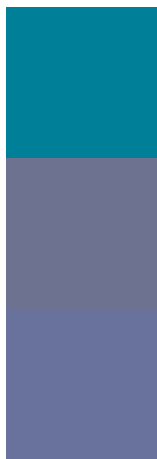


This preview shows how white text looks on a background with the Yxy color 17.4787, 0.2097, 0.2747.

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

17.4787, 0.2097, 0.2747

Protanopia

17.2995, 0.2735, 0.2726

Deuteranopia

17.3780, 0.2570, 0.2519



Tritanopia

17.5646, 0.2186, 0.3069

Trichromacy



Original Color

17.4787, 0.2097, 0.2747

Protanomaly

16.6023, 0.2357, 0.2720

Deuteranomaly

16.7185, 0.2273, 0.2575

Tritanomaly

17.4520, 0.2151, 0.2944

Monochromacy



Original Color

17.4787, 0.2097, 0.2747

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.2479, 0.2479, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4787, 0.2097, 0.2747 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, 127, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 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(0, 127, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 153) }
```

Border

The CSS property to change the border of an element to Yxy 17.4787, 0.2097, 0.2747 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, 127, 153) }
```

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

```
.border{ border-color:rgb(0, 127, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4787, 0.2097, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 153) }
```

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

```
.background{ background-color: rgb(0, 127,  
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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