

Converting Colors

$Y_{xy}(17.2846, 0.2092, 0.2730)$

Have a look what the booklet for
Yxy(17.2846, 0.2092, 0.2730)
contains.

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Color

Yxy(17.2216, 0.2090, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	007E99
RGB	0, 126, 153
RGB Percent	0%, 49%, 60%
CMY	1.0000, 0.5059, 0.4000
CMYK	1.00, 0.18, 0.00, 0.40
HSL	191°, 100%, 30%
HSV	191°, 100%, 60%
XYZ	13.2085, 17.2216, 32.7684
YIQ	91.4040, -83.7630, -18.3150

Conversions

Conversions Part 2

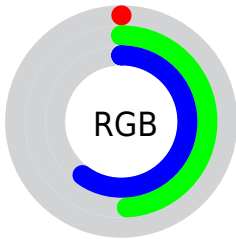
Format	Color
RYB	0, 69, 153
Decimal	32409
CIELab	48.54, -19.20, -22.76
CIELCh	49, 29.771, 229.850
Yxy	17.2216, 0.2090, 0.2725
Android (android.graphics.Color)	4278222489 (0xFF007E99)
YUV	91.4040, 30.3668, -80.1613
Hunter-Lab	41.4989, -15.8092, -17.7674

Details

The Yxy color **17.2216, 0.2090, 0.2725** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **7.5571, 0.6197, 0.3461**, and the grayscale version is **10.5037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7236, 0.2316, 0.2873**, and **6.2671, 0.2034, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **17.2239, 0.2090, 0.2725**, and if you desaturate by 10%, it is **18.0280, 0.2128, 0.2787**.

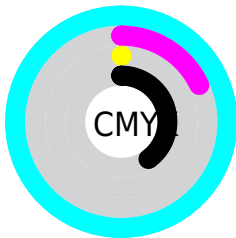
Distribution



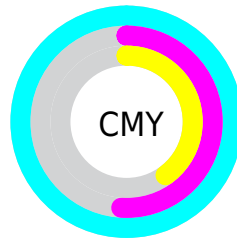
- Red (0%)
- Green (49%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2216, 0.2090, 0.2725 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 17.2216, 0.2090, 0.2725 by changing the saturation by 10% instead.


 17.2216, 0.2090,
0.2725


 17.2216, 0.2090,
0.2725


 236.4462, 0.2668,
0.3065


 10.3926, 0.1926,
0.2616


 38.7064, 0.2315,
0.2865


 5.6600, 0.1705,
0.2460

 54.1310, 0.2395,
0.2912


 2.6395, 0.1395,
0.2221

 73.1896, 0.2461,
0.2950

 0.9466, 0.0839,
0.1847

 96.2665, 0.2516,
0.2981

 0.0000, 0.0000,
0.0000

 123.7463, 0.2563,
0.3007

 156.0132, 0.2603,

0.3029

193.4517, 0.2638,
0.3048

■ 17.2216, 0.2090,
0.2725

■ 17.2216, 0.2090,
0.2725

■ 17.2239, 0.2090,
0.2725

■ 18.0280, 0.2128,
0.2787

■ 18.9278, 0.2179,
0.2849

■ 19.9589, 0.2248,
0.2911

■ 21.1356, 0.2336,
0.2973

■ 22.4702, 0.2441,
0.3034

■ 23.9736, 0.2560,
0.3092

■ 25.6554, 0.2691,
0.3147

■ 27.5248, 0.2831,
0.3198

■ 29.5900, 0.2977,
0.3246

Harmonies

Analogous

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



17.2216, 0.2227, 0.3221



17.2216, 0.2090, 0.2725



17.2216, 0.2193, 0.2443

Triad

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



17.2216, 0.2090, 0.2725



17.2216, 0.3632, 0.2830



17.2216, 0.3687, 0.4335

Complementary

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



17.2216, 0.2090, 0.2725



7.5571, 0.6197, 0.3461

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.



17.2216, 0.4119, 0.4098



17.2216, 0.2090, 0.2725



17.2216, 0.4107, 0.3241

Square

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



17.2216, 0.2090, 0.2725



17.2216, 0.3040, 0.2526



17.2216, 0.4286, 0.3691



17.2216, 0.3127, 0.4250

Rectangle

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



17.2216, 0.2090, 0.2725



17.2216, 0.2389, 0.2381



17.2216, 0.4286, 0.3691



17.2216, 0.3853, 0.4284

Sweetspot

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



17.2239, 0.2090, 0.2725



45.7525, 0.2683, 0.3144



22.8577, 0.2954, 0.5834



9.8396, 0.2631, 0.3123



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.



17.2239, 0.2090, 0.2725



30.5985, 0.2087, 0.2713



4.6681, 0.1640, 0.1104



6.8410, 0.2989, 0.3250



14.2767, 0.2092, 0.2730



0.2564, 0.2168, 0.3004

Inverse Universe

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



8.2797, 0.3705, 0.1814



14.8016, 0.3716, 0.1821



16.2771, 0.4920, 0.4476



6.3049, 0.3163, 0.3109



6.8466, 0.3700, 0.1812



0.1067, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 17.2216, 0.2090, 0.2725 looks on a white background.

Color Contrast Check

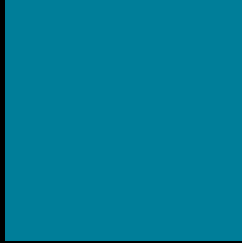
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2216, 0.2090, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

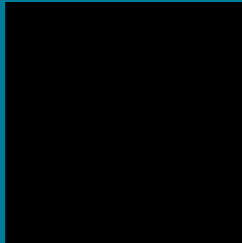
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2216, 0.2090, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 17.2216, 0.2090, 0.2725.

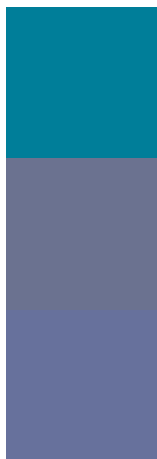


This preview shows how white text looks on a background with the Yxy color 17.2216, 0.2090, 0.2725.

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

17.2216, 0.2090, 0.2725

Protanopia

17.1740, 0.2713, 0.2722

Deuteranopia

17.0941, 0.2558, 0.2498



Tritanopia

17.2733, 0.2186, 0.3068

Trichromacy



Original Color

17.2216, 0.2090, 0.2725

Protanomaly

16.2924, 0.2338, 0.2696

Deuteranomaly

16.4817, 0.2268, 0.2554

Tritanomaly

17.1619, 0.2150, 0.2941

Monochromacy



Original Color

17.2216, 0.2090, 0.2725

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.0151, 0.2466, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2216, 0.2090, 0.2725 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, 126, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 153) }
```

Border

The CSS property to change the border of an element to Yxy 17.2216, 0.2090, 0.2725 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, 126, 153) }
```

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

```
.border{ border-color:rgb(0, 126, 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, 126, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2216, 0.2090, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 153) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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