

Converting Colors

$Yxy(13.8452, 0.1267, 0.1832)$

Have a look what the booklet for
Yxy(13.8452, 0.1267, 0.1832)
contains.

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Color

Yxy(17.2387, 0.1891, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	0078C0
RGB	0, 120, 192
RGB Percent	0%, 47%, 75%
CMY	1.0000, 0.5294, 0.2470
CMYK	1.00, 0.37, 0.00, 0.25
HSL	202°, 100%, 38%
HSV	202°, 100%, 75%
XYZ	16.2262, 17.2387, 52.3425
YIQ	92.3280, -94.6320, -3.0480

Conversions

Conversions Part 2

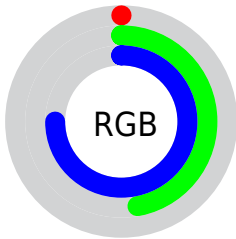
Format	Color
RYB	0, 74, 192
Decimal	30912
CIELab	48.56, -0.90, -45.36
CIELCh	49, 45.373, 268.862
Yxy	17.2387, 0.1891, 0.2009
Android (android.graphics.Color)	4278220992 (0xFF0078C0)
YUV	92.3280, 49.1383, -80.9717
Hunter-Lab	41.5195, -2.8999, -45.6816

Details

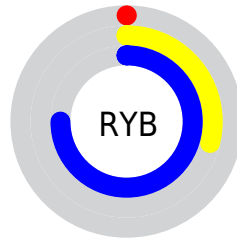
The Yxy color **17.2387, 0.1891, 0.2009** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **15.8400, 0.5771, 0.3800**, and the grayscale version is **10.6851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7775, 0.2145, 0.2274**, and **6.4697, 0.1803, 0.1689** is the 20% darker color. If you saturate the color by 10%, you get **17.2424, 0.1892, 0.2009**, and if you desaturate by 10%, it is **19.1803, 0.1950, 0.2149**.

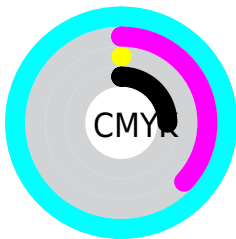
Distribution



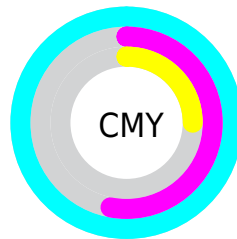
- Red (0%)
- Green (47%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2387, 0.1891, 0.2009 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 17.2387, 0.1891, 0.2009 by changing the saturation by 10% instead.

■ 17.2387, 0.1891,
0.2009

■ 17.2387, 0.1891,
0.2009

■ 236.5442, 0.2564,
0.2709

■ 10.4048, 0.1713,
0.1823

■ 38.7357, 0.2145,
0.2274

■ 5.6682, 0.1483,
0.1583

■ 54.1677, 0.2238,
0.2371

■ 2.6444, 0.1184,
0.1269

■ 73.2344, 0.2316,
0.2451

■ 0.9490, 0.0798,
0.0862

■ 96.3204, 0.2381,
0.2519

■ 0.0000, 0.0000,
0.0000

■ 123.8100, 0.2437,
0.2577

■ 156.0875, 0.2485,

0.2627

193.5375, 0.2527,
0.2671

■ 17.2387, 0.1891,
0.2009

■ 17.2387, 0.1891,
0.2009

■ 17.2424, 0.1892,
0.2009

■ 19.1803, 0.1950,
0.2149

■ 21.3900, 0.2027,
0.2293

■ 23.9240, 0.2124,
0.2437

■ 26.8102, 0.2240,
0.2580

■ 30.0726, 0.2372,
0.2719

■ 33.7325, 0.2515,
0.2852

■ 37.8093, 0.2665,
0.2976

■ 42.3208, 0.2819,
0.3091

■ 47.2835, 0.2974,
0.3195

Harmonies

Analogous

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



17.2387, 0.1658, 0.2272



17.2387, 0.1891, 0.2009



17.2387, 0.2428, 0.2035

Triad

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



17.2387, 0.1891, 0.2009



17.2387, 0.4756, 0.3353



17.2387, 0.2828, 0.4671

Complementary

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



17.2387, 0.1891, 0.2009



15.8400, 0.5771, 0.3800

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.



17.2387, 0.3656, 0.4920



17.2387, 0.1891, 0.2009



17.2387, 0.4823, 0.3980

Square

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



17.2387, 0.1891, 0.2009



17.2387, 0.4141, 0.2770



17.2387, 0.4390, 0.4574



17.2387, 0.2127, 0.3817

Rectangle

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



17.2387, 0.1891, 0.2009



17.2387, 0.2946, 0.2190



17.2387, 0.4390, 0.4574



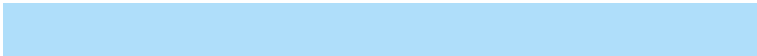
17.2387, 0.3102, 0.4835

Sweetspot

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



17.2424, 0.1892, 0.2009



68.1335, 0.2658, 0.2970



38.1477, 0.2841, 0.5427



13.9265, 0.2593, 0.2918



97.7402, 0.3127, 0.3290



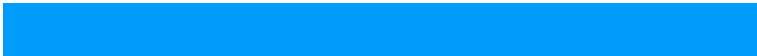
20.4902, 0.3127, 0.3290

Same Dimension

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



17.2424, 0.1892, 0.2009



30.7415, 0.1886, 0.1988



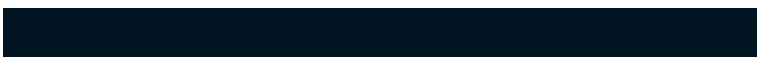
4.5271, 0.1528, 0.0701



10.7732, 0.2984, 0.3202



11.7555, 0.1896, 0.2027



0.6368, 0.1984, 0.2340

Inverse Universe

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



12.5632, 0.4442, 0.2221



22.7128, 0.4467, 0.2234



38.6257, 0.4450, 0.4849



10.1814, 0.3194, 0.3147



8.4690, 0.4423, 0.2210



0.3789, 0.4084, 0.2024

Previews

White Background



This preview shows how the Yxy color 17.2387, 0.1891, 0.2009 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 17.2387, 0.1891, 0.2009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

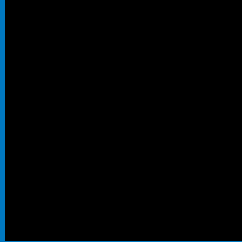
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2387, 0.1891, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 17.2387, 0.1891, 0.2009.



This preview shows how white text looks on a background with the Yxy color 17.2387, 0.1891, 0.2009.

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

17.2387, 0.1891, 0.2009

Protanopia

17.3393, 0.2208, 0.2059

Deuteranopia

17.3331, 0.2022, 0.1970



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.2387, 0.1891, 0.2009

Protanomaly

16.9338, 0.2017, 0.2021

Deuteranomaly

17.0042, 0.1941, 0.1962

Tritanomaly

17.1016, 0.2064, 0.2630

Monochromacy



Original Color

17.2387, 0.1891, 0.2009

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.9911, 0.2342, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2387, 0.1891, 0.2009 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, 120, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 192)  
}
```

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, 120, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 192) }
```

Border

The CSS property to change the border of an element to Yxy 17.2387, 0.1891, 0.2009 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, 120, 192) }
```

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

```
.border{ border-color:rgb(0, 120, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2387, 0.1891, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 192) }
```

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

```
.background{ background-color: rgb(0, 120,  
192) }
```

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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