

Converting Colors

$Yxy(16.4264, 0.1986, 0.2348)$

Have a look what the booklet for
Yxy(16.4264, 0.1986, 0.2348)
contains.

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Color

$Y_{xy}(16.5019, 0.1989, 0.2361)$

Conversions

Conversions Part 1

Format	Color
Hex	0079A8
RGB	0, 121, 168
RGB Percent	0%, 47%, 66%
CMY	1.0000, 0.5255, 0.3412
CMYK	1.00, 0.28, 0.00, 0.34
HSL	197°, 100%, 33%
HSV	197°, 100%, 66%
XYZ	13.9019, 16.5019, 39.4899
YIQ	90.1790, -87.2030, -11.0350

Conversions

Conversions Part 2

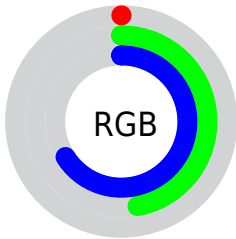
Format	Color
RYB	0, 70, 168
Decimal	31144
CIELab	47.63, -10.81, -32.93
CIELCh	48, 34.657, 251.824
Yxy	16.5019, 0.1989, 0.2361
Android (android.graphics.Color)	4278221224 (0xFF0079A8)
YUV	90.1790, 38.3658, -79.0870
Hunter-Lab	40.6225, -10.0031, -29.2012

Details

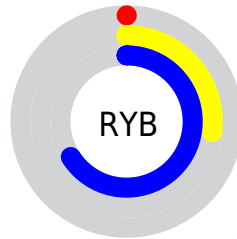
The Yxy color **16.5019, 0.1989, 0.2361** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.3540, 0.5998, 0.3619**, and the grayscale version is **10.1945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3387, 0.2233, 0.2574**, and **6.0260, 0.1912, 0.2081** is the 20% darker color. If you saturate the color by 10%, you get **16.5037, 0.1989, 0.2361**, and if you desaturate by 10%, it is **17.7909, 0.2038, 0.2464**.

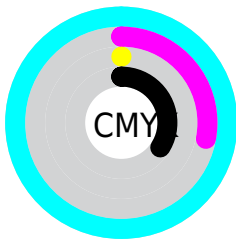
Distribution



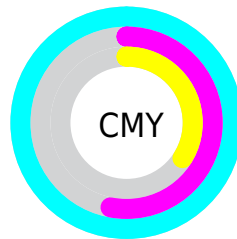
- Red (0%)
- Green (47%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5019, 0.1989, 0.2361 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 16.5019, 0.1989, 0.2361 by changing the saturation by 10% instead.

16.5019, 0.1989,
0.2361

16.5019, 0.1989,
0.2361

232.2854, 0.2621,
0.2897

9.8800, 0.1814,
0.2203

37.4674, 0.2233,
0.2574

5.3195, 0.1581,
0.1987

52.5797, 0.2320,
0.2648

2.4359, 0.1266,
0.1681

71.2910, 0.2392,
0.2709

0.8443, 0.0789,
0.1237

93.9856, 0.2453,
0.2759

0.0000, 0.0000,
0.0000

121.0480, 0.2504,
0.2802

152.8625, 0.2548,

0.2838

189.8135, 0.2587,
0.2869

■ 16.5019, 0.1989,
0.2361

■ 16.5019, 0.1989,
0.2361

■ 16.5037, 0.1989,
0.2361

■ 17.7909, 0.2038,
0.2464

■ 19.2330, 0.2103,
0.2568

■ 20.8712, 0.2186,
0.2672

■ 22.7243, 0.2288,
0.2775

■ 24.8083, 0.2406,
0.2874

■ 27.1376, 0.2538,
0.2970

■ 29.7248, 0.2678,
0.3060

■ 32.5819, 0.2826,
0.3143

■ 35.7198, 0.2976,
0.3220

Harmonies

Analogous

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



16.5019, 0.1942, 0.2748



16.5019, 0.1989, 0.2361



16.5019, 0.2296, 0.2237

Triad

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



16.5019, 0.1989, 0.2361



16.5019, 0.4163, 0.3087



16.5019, 0.3293, 0.4512

Complementary

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



16.5019, 0.1989, 0.2361



10.3540, 0.5998, 0.3619

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.



16.5019, 0.3927, 0.4469



16.5019, 0.1989, 0.2361



16.5019, 0.4478, 0.3596

Square

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



16.5019, 0.1989, 0.2361



16.5019, 0.3534, 0.2646



16.5019, 0.4373, 0.4097



16.5019, 0.2648, 0.4090

Rectangle

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



16.5019, 0.1989, 0.2361



16.5019, 0.2636, 0.2285



16.5019, 0.4373, 0.4097



16.5019, 0.3514, 0.4547

Sweetspot

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



16.5037, 0.1989, 0.2361



53.6804, 0.2670, 0.3055



28.1871, 0.2906, 0.5660



11.2771, 0.2613, 0.3019



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.5037, 0.1989, 0.2361



29.5761, 0.1984, 0.2343



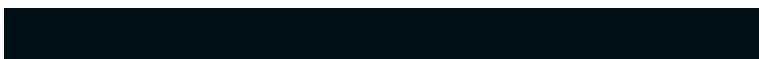
4.2905, 0.1574, 0.0866



8.1721, 0.2987, 0.3225



12.5552, 0.1992, 0.2371



0.3851, 0.2086, 0.2710

Inverse Universe

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



9.7038, 0.4063, 0.2012



17.5745, 0.4082, 0.2022



23.9676, 0.4672, 0.4672



7.6303, 0.3178, 0.3129



7.3385, 0.4052, 0.2006



0.1866, 0.3719, 0.1822

Previews

White Background



This preview shows how the Yxy color 16.5019, 0.1989, 0.2361 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 16.5019, 0.1989, 0.2361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

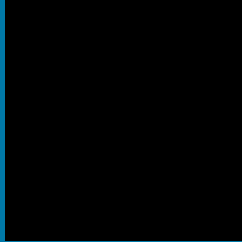
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5019, 0.1989, 0.2361

Background



This preview shows how black text looks on a background with the Yxy color 16.5019, 0.1989, 0.2361.

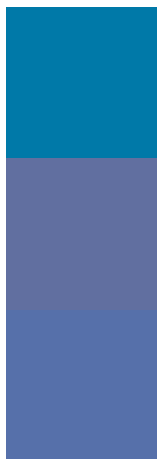


This preview shows how white text looks on a background with the Yxy color 16.5019, 0.1989, 0.2361.

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

16.5019, 0.1989, 0.2361

Protanopia

16.4483, 0.2460, 0.2386

Deuteranopia

16.4691, 0.2292, 0.2235



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.5019, 0.1989, 0.2361

Protanomaly

15.9299, 0.2179, 0.2356

Deuteranomaly

15.9383, 0.2105, 0.2256

Tritanomaly

16.5219, 0.2110, 0.2794

Monochromacy



Original Color

16.5019, 0.1989, 0.2361

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4852, 0.2406, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5019, 0.1989, 0.2361 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, 121, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 168)  
}
```

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, 121, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 168) }
```

Border

The CSS property to change the border of an element to Yxy 16.5019, 0.1989, 0.2361 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, 121, 168) }
```

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

```
.border{ border-color:rgb(0, 121, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5019, 0.1989, 0.2361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 168) }
```

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

```
.background{ background-color: rgb(0, 121,  
168) }
```

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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