

Converting Colors

$Yxy(12.7372, 0.1407, 0.2292)$

Have a look what the booklet for
Yxy(12.7372, 0.1407, 0.2292)
contains.

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Color

Yxy(15.2258, 0.2006, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	00759F
RGB	0, 117, 159
RGB Percent	0%, 46%, 62%
CMY	0.9988, 0.5412, 0.3765
CMYK	1.00, 0.26, 0.00, 0.38
HSL	196°, 100%, 31%
HSV	196°, 100%, 62%
XYZ	12.6211, 15.2258, 35.0697
YIQ	86.8050, -83.2140, -11.7420

Conversions

Conversions Part 2

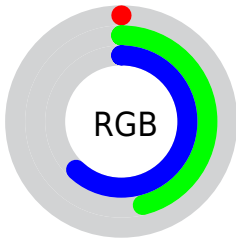
Format	Color
RYB	0, 67, 159
Decimal	30111
CIELab	45.94, -11.90, -30.30
CIElCh	46, 32.553, 248.551
Yxy	15.2258, 0.2006, 0.2420
Android (android.graphics.Color)	4278220191 (0xFF00759F)
YUV	86.8050, 35.5921, -76.1280
Hunter-Lab	39.0203, -10.5498, -25.9730

Details

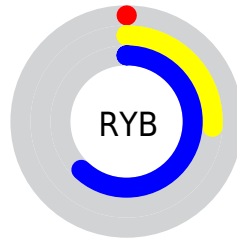
The Yxy color **15.2258, 0.2006, 0.2420** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.0471, 0.6021, 0.3599**, and the grayscale version is **9.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2572, 0.2252, 0.2624**, and **5.3178, 0.1929, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **15.2062, 0.2005, 0.2418**, and if you desaturate by 10%, it is **16.3388, 0.2054, 0.2517**.

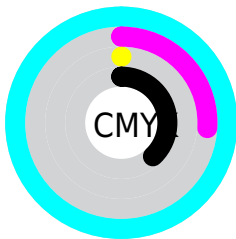
Distribution



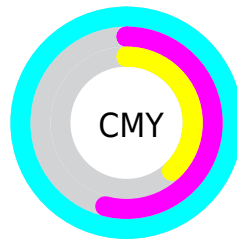
- Red (0%)
- Green (46%)
- Blue (62%)



- Red (0%)
- Yellow (26%)
- Blue (62%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2258, 0.2006, 0.2420 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 15.2258, 0.2006, 0.2420 by changing the saturation by 10% instead.

15.2258, 0.2006,
0.2420

15.2258, 0.2006,
0.2420

224.7289, 0.2637,
0.2931

8.9780, 0.1827,
0.2264

35.2488, 0.2252,
0.2626

4.7268, 0.1586,
0.2047

49.7928, 0.2340,
0.2697

2.0879, 0.1254,
0.1730

67.8710, 0.2411,
0.2755

0.6578, 0.0632,
0.1242

89.8678, 0.2471,
0.2803

0.0000, 0.0000,
0.0000

116.1676, 0.2522,
0.2843

147.1548, 0.2566,

0.2877

183.2138, 0.2604,
0.2906

■ 15.2258, 0.2006,
0.2420

■ 15.2258, 0.2006,
0.2420

■ 15.2062, 0.2005,
0.2418

■ 16.3388, 0.2054,
0.2517

■ 17.5827, 0.2117,
0.2614

■ 18.9947, 0.2199,
0.2711

■ 20.5909, 0.2300,
0.2808

■ 22.3853, 0.2416,
0.2901

■ 24.3900, 0.2545,
0.2991

■ 26.6163, 0.2684,
0.3075

■ 29.0742, 0.2830,
0.3153

■ 31.7734, 0.2980,
0.3226

Harmonies

Analogous

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



15.2258, 0.1989, 0.2826



15.2258, 0.2006, 0.2420



15.2258, 0.2278, 0.2271

Triad

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



15.2258, 0.2006, 0.2420



15.2258, 0.4071, 0.3044



15.2258, 0.3361, 0.4483

Complementary

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



15.2258, 0.2006, 0.2420



9.0471, 0.6021, 0.3599

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.



15.2258, 0.3962, 0.4404



15.2258, 0.2006, 0.2420



15.2258, 0.4417, 0.3536

Square

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



15.2258, 0.2006, 0.2420



15.2258, 0.3447, 0.2627



15.2258, 0.4362, 0.4027



15.2258, 0.2730, 0.4122

Rectangle

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



15.2258, 0.2006, 0.2420



15.2258, 0.2593, 0.2302



15.2258, 0.4362, 0.4027



15.2258, 0.3574, 0.4502

Sweetspot

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



15.2263, 0.2006, 0.2420



47.3582, 0.2673, 0.3069



24.9477, 0.2913, 0.5686



10.3116, 0.2617, 0.3036



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



15.2263, 0.2006, 0.2420



26.9045, 0.2000, 0.2401



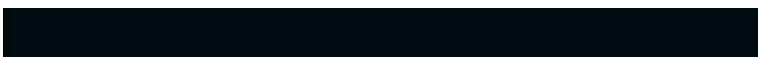
4.0202, 0.1586, 0.0909



7.2122, 0.2988, 0.3229



12.0827, 0.2008, 0.2427



0.2805, 0.2114, 0.2811

Inverse Universe

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



8.6606, 0.4002, 0.1980



15.4641, 0.4023, 0.1990



20.6396, 0.4708, 0.4642



6.7246, 0.3176, 0.3127



6.8420, 0.3996, 0.1975



0.1288, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 15.2258, 0.2006, 0.2420 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 15.2258, 0.2006, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

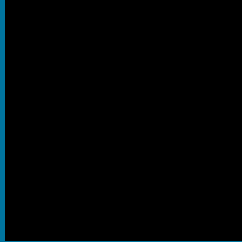
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2258, 0.2006, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 15.2258, 0.2006, 0.2420.

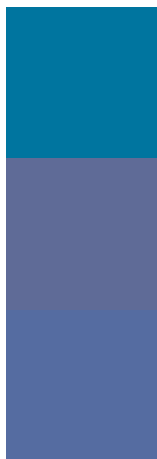


This preview shows how white text looks on a background with the Yxy color 15.2258, 0.2006, 0.2420.

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

15.2258, 0.2006, 0.2420

Protanopia

15.1827, 0.2505, 0.2444

Deuteranopia

15.2296, 0.2333, 0.2286



Tritanopia

15.2865, 0.2189, 0.3079

Trichromacy



Original Color

15.2258, 0.2006, 0.2420

Protanomaly

14.6941, 0.2210, 0.2415

Deuteranomaly

14.6912, 0.2130, 0.2309

Tritanomaly

15.3560, 0.2117, 0.2821

Monochromacy



Original Color

15.2258, 0.2006, 0.2420

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.7398, 0.2419, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2258, 0.2006, 0.2420 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, 117, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 159)  
}
```

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, 117, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 159) }
```

Border

The CSS property to change the border of an element to Yxy 15.2258, 0.2006, 0.2420 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, 117, 159) }
```

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

```
.border{ border-color:rgb(0, 117, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2258, 0.2006, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 159) }
```

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

```
.background{ background-color: rgb(0, 117,  
159) }
```

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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