

Converting Colors

$Yxy(13.9295, 0.1598, 0.2153)$

Have a look what the booklet for
Yxy(13.9295, 0.1598, 0.2153)
contains.

Yxy(15.6629, 0.1953, 0.2231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(15.6629, 0.1953, 0.2231)$

Conversions

Conversions Part 1

Format	Color
Hex	0075AB
RGB	0, 117, 171
RGB Percent	0%, 46%, 67%
CMY	1.0000, 0.5412, 0.3294
CMYK	1.00, 0.32, 0.00, 0.33
HSL	199°, 100%, 34%
HSV	199°, 100%, 67%
XYZ	13.7112, 15.6629, 40.8317
YIQ	88.1730, -87.0660, -8.0100

Conversions

Conversions Part 2

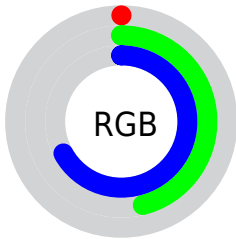
Format	Color
RYB	0, 69, 171
Decimal	30123
CIELab	46.53, -7.29, -36.42
CIELCh	47, 37.140, 258.677
Yxy	15.6629, 0.1953, 0.2231
Android (android.graphics.Color)	4278220203 (0xFF0075AB)
YUV	88.1730, 40.8337, -77.3277
Hunter-Lab	39.5764, -7.4176, -33.4671

Details

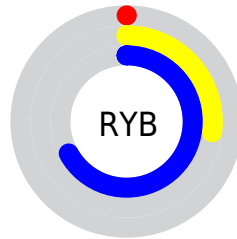
The Yxy color **15.6629, 0.1953, 0.2231** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.2972, 0.5913, 0.3687**, and the grayscale version is **9.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0956, 0.2206, 0.2467**, and **5.5642, 0.1868, 0.1926** is the 20% darker color. If you saturate the color by 10%, you get **15.6641, 0.1953, 0.2231**, and if you desaturate by 10%, it is **17.0792, 0.2006, 0.2348**.

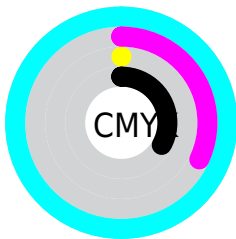
Distribution



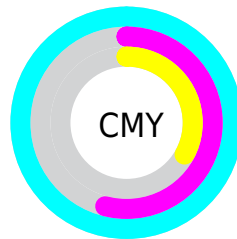
- Red (0%)
- Green (46%)
- Blue (67%)



- Red (0%)
- Yellow (27%)
- Blue (67%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (54%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6629, 0.1953, 0.2231 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 15.6629, 0.1953, 0.2231 by changing the saturation by 10% instead.

15.6629, 0.1953,
0.2231

15.6629, 0.1953,
0.2231

227.3443, 0.2607,
0.2836

9.2859, 0.1772,
0.2056

36.0120, 0.2205,
0.2469

4.9282, 0.1532,
0.1821

50.7529, 0.2296,
0.2553

2.2052, 0.1210,
0.1494

69.0506, 0.2371,
0.2622

0.7228, 0.0724,
0.1028

91.2894, 0.2433,
0.2679

0.0000, 0.0000,
0.0000

117.8538, 0.2487,
0.2728

149.1281, 0.2532,

0.2769

185.4968, 0.2572,
0.2805

■ 15.6629, 0.1953,
0.2231

■ 15.6629, 0.1953,
0.2231

■ 15.6641, 0.1953,
0.2231

■ 17.0792, 0.2006,
0.2348

■ 18.6715, 0.2076,
0.2467

■ 20.4834, 0.2165,
0.2586

■ 22.5351, 0.2272,
0.2703

■ 24.8436, 0.2395,
0.2818

■ 27.4242, 0.2530,
0.2926

■ 30.2907, 0.2674,
0.3029

■ 33.4556, 0.2824,
0.3124

■ 36.9309, 0.2976,
0.3211

Harmonies

Analogous

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



15.6629, 0.1837, 0.2574



15.6629, 0.1953, 0.2231



15.6629, 0.2341, 0.2163

Triad

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



15.6629, 0.1953, 0.2231



15.6629, 0.4374, 0.3185



15.6629, 0.3132, 0.4573

Complementary

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



15.6629, 0.1953, 0.2231



11.2972, 0.5913, 0.3687

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.



15.6629, 0.3838, 0.4623



15.6629, 0.1953, 0.2231



15.6629, 0.4609, 0.3734

Square

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



15.6629, 0.1953, 0.2231



15.6629, 0.3742, 0.2692



15.6629, 0.4389, 0.4263



15.6629, 0.2462, 0.4004

Rectangle

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



15.6629, 0.1953, 0.2231



15.6629, 0.2741, 0.2251



15.6629, 0.4389, 0.4263



15.6629, 0.3373, 0.4649

Sweetspot

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



15.6641, 0.1953, 0.2231



53.9589, 0.2667, 0.3024



29.3700, 0.2885, 0.5586



11.5528, 0.2607, 0.2982



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.6641, 0.1953, 0.2231



27.6548, 0.1948, 0.2211



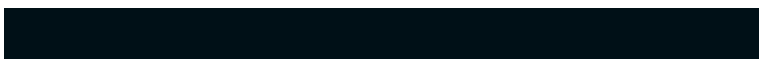
4.0961, 0.1557, 0.0804



8.6390, 0.2986, 0.3217



11.9049, 0.1956, 0.2243



0.4235, 0.2055, 0.2597

Inverse Universe

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



9.9431, 0.4199, 0.2087



17.7661, 0.4220, 0.2099



26.4947, 0.4594, 0.4734



8.1044, 0.3184, 0.3136



7.5049, 0.4187, 0.2080



0.2181, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 15.6629, 0.1953, 0.2231 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 15.6629, 0.1953, 0.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

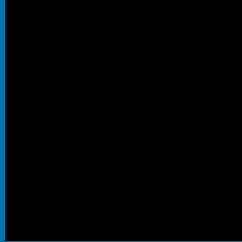
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6629, 0.1953, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 15.6629, 0.1953, 0.2231.

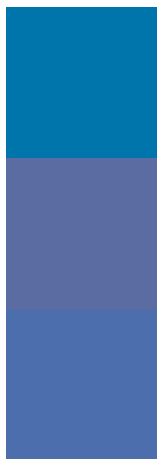


This preview shows how white text looks on a background with the Yxy color 15.6629, 0.1953, 0.2231.

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

15.6629, 0.1953, 0.2231

Protanopia

15.5936, 0.2371, 0.2270

Deuteranopia

15.7055, 0.2190, 0.2136



Tritanopia

15.5578, 0.2189, 0.3080

Trichromacy



Original Color

15.6629, 0.1953, 0.2231

Protanomaly

15.0216, 0.2119, 0.2224

Deuteranomaly

15.4172, 0.2046, 0.2165

Tritanomaly

15.5083, 0.2090, 0.2722

Monochromacy



Original Color

15.6629, 0.1953, 0.2231

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.0724, 0.2387, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6629, 0.1953, 0.2231 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 171) }
```

Border

The CSS property to change the border of an element to Yxy 15.6629, 0.1953, 0.2231 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, 171) }
```

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

```
.border{ border-color:rgb(0, 117, 171) }
```

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, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6629, 0.1953, 0.2231 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, 171) }
```

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

```
.background{ background-color: rgb(0, 117,  
171) }
```

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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