

Converting Colors

$Yxy(12.7110, 0.1323, 0.2547)$

Have a look what the booklet for
Yxy(12.7110, 0.1323, 0.2547)
contains.

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Color

$\text{Yxy}(15.6029, 0.2074, 0.2665)$

Conversions

Conversions Part 1

Format	Color
Hex	007895
RGB	0, 120, 149
RGB Percent	0%, 47%, 58%
CMY	0.9991, 0.5294, 0.4157
CMYK	1.00, 0.19, 0.00, 0.42
HSL	192°, 100%, 29%
HSV	192°, 100%, 58%
XYZ	12.1427, 15.6029, 30.8018
YIQ	87.4260, -80.8290, -16.4210

Conversions

Conversions Part 2

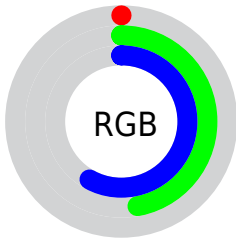
Format	Color
RYB	0, 66, 149
Decimal	30869
CIELab	46.45, -17.35, -23.62
CIELCh	46, 29.310, 233.695
Yxy	15.6029, 0.2074, 0.2665
Android (android.graphics.Color)	4278220949 (0xFF007895)
YUV	87.4260, 30.3560, -76.6726
Hunter-Lab	39.5005, -14.2537, -18.5830

Details

The Yxy color **15.6029, 0.2074, 0.2665** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.2795, 0.6157, 0.3491**, and the grayscale version is **9.5894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7481, 0.2307, 0.2817**, and **5.3883, 0.2007, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **15.5908, 0.2073, 0.2664**, and if you desaturate by 10%, it is **16.4138, 0.2114, 0.2734**.

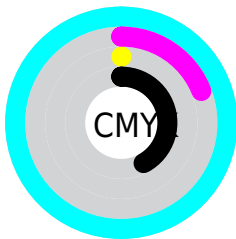
Distribution



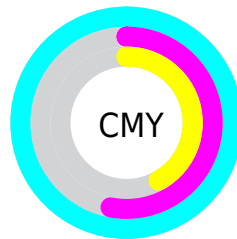
- Red (0%)
- Green (47%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (53%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6029, 0.2074, 0.2665 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 15.6029, 0.2074, 0.2665 by changing the saturation by 10% instead.

15.6029, 0.2074,
0.2665

15.6029, 0.2074,
0.2665

226.9870, 0.2669,
0.3043

9.2436, 0.1902,
0.2543

35.9074, 0.2307,
0.2821

4.9004, 0.1668,
0.2367

50.6215, 0.2390,
0.2874

2.1889, 0.1339,
0.2096

68.8892, 0.2457,
0.2916

0.7140, 0.0598,
0.1674

91.0950, 0.2514,
0.2951

0.0000, 0.0000,
0.0000

117.6233, 0.2562,
0.2979

148.8584, 0.2602,

0.3004

185.1849, 0.2638,
0.3025

■ 15.6029, 0.2074,
0.2665

■ 15.6029, 0.2074,
0.2665

■ 15.5908, 0.2073,
0.2664

■ 16.4138, 0.2114,
0.2734

■ 17.3182, 0.2168,
0.2803

■ 18.3502, 0.2241,
0.2872

■ 19.5231, 0.2331,
0.2941

■ 20.8485, 0.2438,
0.3008

■ 22.3365, 0.2560,
0.3072

■ 23.9963, 0.2692,
0.3133

■ 25.8363, 0.2833,
0.3190

■ 27.8644, 0.2980,
0.3243

Harmonies

Analogous

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



15.6029, 0.2181, 0.3144



15.6029, 0.2074, 0.2665



15.6029, 0.2209, 0.2410

Triad

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



15.6029, 0.2074, 0.2665



15.6029, 0.3714, 0.2871



15.6029, 0.3626, 0.4363

Complementary

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



15.6029, 0.2074, 0.2665



7.2795, 0.6157, 0.3491

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.



15.6029, 0.4091, 0.4154



15.6029, 0.2074, 0.2665



15.6029, 0.4167, 0.3297

Square

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



15.6029, 0.2074, 0.2665



15.6029, 0.3114, 0.2546



15.6029, 0.4303, 0.3753



15.6029, 0.3052, 0.4230

Rectangle

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



15.6029, 0.2074, 0.2665



15.6029, 0.2427, 0.2366



15.6029, 0.4303, 0.3753



15.6029, 0.3801, 0.4325

Sweetspot

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



15.6034, 0.2074, 0.2665



42.7396, 0.2682, 0.3128



21.5754, 0.2946, 0.5802



9.2151, 0.2630, 0.3106



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.6034, 0.2074, 0.2665



27.6713, 0.2070, 0.2650



4.2318, 0.1631, 0.1069



6.3721, 0.2990, 0.3246



13.1646, 0.2075, 0.2669



0.2006, 0.2166, 0.2996

Inverse Universe

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



7.7500, 0.3761, 0.1847



13.8440, 0.3775, 0.1853



15.8698, 0.4872, 0.4512



5.8900, 0.3165, 0.3114



6.5223, 0.3758, 0.1844



0.0838, 0.3458, 0.1678

Previews

White Background



This preview shows how the Yxy color 15.6029, 0.2074, 0.2665 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 15.6029, 0.2074, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

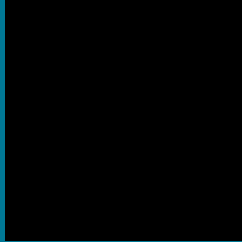
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6029, 0.2074, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 15.6029, 0.2074, 0.2665.

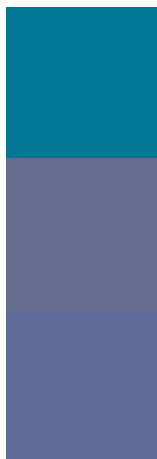


This preview shows how white text looks on a background with the Yxy color 15.6029, 0.2074, 0.2665.

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

15.6029, 0.2074, 0.2665

Protanopia

15.6555, 0.2688, 0.2683

Deuteranopia

15.4789, 0.2509, 0.2450



Tritanopia

15.5850, 0.2183, 0.3058

Trichromacy



Original Color

15.6029, 0.2074, 0.2665

Protanomaly

14.9172, 0.2323, 0.2657

Deuteranomaly

14.8148, 0.2234, 0.2488

Tritanomaly

15.5097, 0.2141, 0.2906

Monochromacy



Original Color

15.6029, 0.2074, 0.2665

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.8617, 0.2452, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6029, 0.2074, 0.2665 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, 149)` looks like.

```
.text, #text, p{  
  color:rgb(0, 120, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 149) }
```

Border

The CSS property to change the border of an element to Yxy 15.6029, 0.2074, 0.2665 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, 149) }
```

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

```
.border{ border-color:rgb(0, 120, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6029, 0.2074, 0.2665 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, 149) }
```

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

```
.background{ background-color: rgb(0, 120,  
149) }
```

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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