

Converting Colors

$Yxy(17.1974, 0.2021, 0.2316)$

Have a look what the booklet for
Yxy(17.1974, 0.2021, 0.2316)
contains.

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Color

Yxy(17.1974, 0.2021, 0.2316)

Conversions

Conversions Part 1

Format	Color
Hex	1D7AAD
RGB	29, 122, 173
RGB Percent	11%, 48%, 68%
CMY	0.8862, 0.5215, 0.3217
CMYK	0.83, 0.29, 0.00, 0.32
HSL	201°, 71%, 40%
HSV	201°, 83%, 68%
XYZ	15.0069, 17.1974, 42.0505
YIQ	100.0070, -71.7990, -3.8550

Conversions

Conversions Part 2

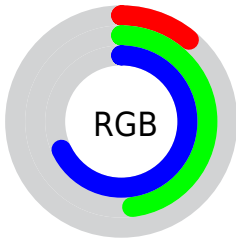
Format	Color
R _Y B	29, 86, 173
Decimal	1931949
CIE Lab	48.51, -7.81, -34.43
CIE LCh	49, 35.301, 257.221
Yxy	17.1974, 0.2021, 0.2316
Android (android.graphics.Color)	4280122029 (0xFF1D7AAD)
YUV	100.0070, 35.9855, -62.2731
Hunter-Lab	41.4697, -7.9773, -31.0914

Details

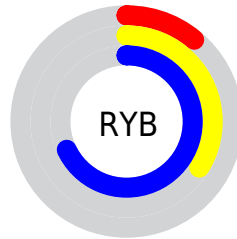
The Yxy color **17.1974, 0.2021, 0.2316** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.7038, 0.5353, 0.3874**, and the grayscale version is **12.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5819, 0.2253, 0.2526**, and **6.2536, 0.1898, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **15.5558, 0.1953, 0.2183**, and if you desaturate by 10%, it is **19.0763, 0.2109, 0.2451**.

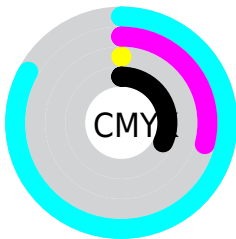
Distribution



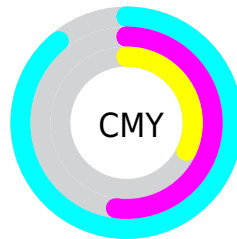
- Red (11%)
- Green (48%)
- Blue (68%)



- Red (11%)
- Yellow (34%)
- Blue (68%)



- Cyan (83%)
- Magenta (29%)
- Yellow (0%)
- Black (32%)



- Cyan (89%)
- Magenta (52%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1974, 0.2021, 0.2316 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 17.1974, 0.2021, 0.2316 by changing the saturation by 10% instead.

■ 17.1974, 0.2021,
0.2316

■ 17.1974, 0.2021,
0.2316

■ 236.3074, 0.2632,
0.2869

■ 10.3753, 0.1852,
0.2157

■ 38.6649, 0.2256,
0.2533

■ 5.6485, 0.1630,
0.1942

■ 54.0790, 0.2341,
0.2610

■ 2.6326, 0.1327,
0.1641

■ 73.1261, 0.2410,
0.2673

■ 0.9431, 0.0905,
0.1211

■ 96.1903, 0.2469,
0.2725

■ 0.0000, 0.0000,
0.0000

■ 123.6562, 0.2519,
0.2770

■ 155.9080, 0.2562,

0.2808

193.3303, 0.2599,
0.2840

■ 17.1974, 0.2021,
0.2316

■ 17.1974, 0.2021,
0.2316

■ 15.5558, 0.1953,
0.2183

■ 19.0763, 0.2109,
0.2451

■ 14.5465, 0.1915,
0.2094

■ 21.2132, 0.2217,
0.2585

■ 23.6277, 0.2340,
0.2716

■ 26.3364, 0.2477,
0.2841

■ 29.3544, 0.2622,
0.2960

■ 32.6957, 0.2773,
0.3070

■ 36.3729, 0.2926,
0.3171

■ 40.3982, 0.3078,
0.3262

■ 44.7829, 0.3228,
0.3345

Harmonies

Analogous

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



17.1974, 0.1926, 0.2655



17.1974, 0.2021, 0.2316



17.1974, 0.2374, 0.2236

Triad

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



17.1974, 0.2021, 0.2316



17.1974, 0.4254, 0.3175



17.1974, 0.3172, 0.4476

Complementary

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



17.1974, 0.2021, 0.2316



14.7038, 0.5353, 0.3874

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.



17.1974, 0.3824, 0.4513



17.1974, 0.2021, 0.2316



17.1974, 0.4496, 0.3691

Square

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



17.1974, 0.2021, 0.2316



17.1974, 0.3662, 0.2715



17.1974, 0.4319, 0.4182



17.1974, 0.2543, 0.3977

Rectangle

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



17.1974, 0.2021, 0.2316



17.1974, 0.2742, 0.2311



17.1974, 0.4319, 0.4182



17.1974, 0.3396, 0.4541

Sweetspot

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



17.1980, 0.2021, 0.2316



57.2037, 0.2739, 0.3046



30.7090, 0.2808, 0.5110



11.9857, 0.2688, 0.3009



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.



17.1980, 0.2021, 0.2316



25.6409, 0.1909, 0.2072



5.6105, 0.1677, 0.1021



8.5876, 0.2986, 0.3208



10.8004, 0.1919, 0.2108



0.3984, 0.2030, 0.2507

Inverse Universe

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



11.1657, 0.4089, 0.2156



17.9543, 0.4373, 0.2182



31.2257, 0.4364, 0.4768



8.0992, 0.3189, 0.3145



7.3934, 0.4333, 0.2160



0.2156, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 17.1974, 0.2021, 0.2316 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 17.1974, 0.2021, 0.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

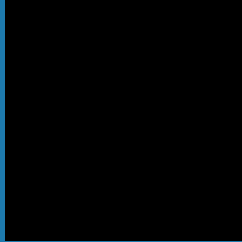
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1974, 0.2021, 0.2316

Background



This preview shows how black text looks on a background with the Yxy color 17.1974, 0.2021, 0.2316.

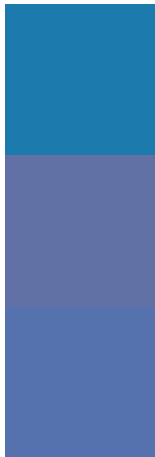


This preview shows how white text looks on a background with the Yxy color 17.1974, 0.2021, 0.2316.

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

17.1974, 0.2021, 0.2316

Protanopia

17.1235, 0.2435, 0.2351

Deuteranopia

17.0611, 0.2259, 0.2202



Tritanopia

16.9849, 0.2185, 0.3066

Trichromacy



Original Color

17.1974, 0.2021, 0.2316

Protanomaly

16.7344, 0.2224, 0.2317

Deuteranomaly

16.9024, 0.2142, 0.2238

Tritanomaly

16.9404, 0.2115, 0.2761

Monochromacy



Original Color

17.1974, 0.2021, 0.2316

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.7133, 0.2513, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1974, 0.2021, 0.2316 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(29, 122, 173)` looks like.

```
.text, #text, p{  
    color:rgb(29, 122, 173)  
}
```

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(29, 122, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 122, 173) }
```

Border

The CSS property to change the border of an element to Yxy 17.1974, 0.2021, 0.2316 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(29, 122, 173) }
```

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

```
.border{ border-color:rgb(29, 122, 173) }
```

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

Here you see how a box with a 4 pixel rgb(29, 122, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 122, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 122, 173);  
box-shadow:4px 4px 4px 4px rgb(29, 122,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1974, 0.2021, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 122, 173) }
```

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

```
.background{ background-color: rgb(29, 122,  
173) }
```

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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