

Converting Colors

$Yxy(15.6251, 0.1554, 0.2170)$

Have a look what the booklet for
Yxy(15.6251, 0.1554, 0.2170)
contains.

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Color

Yxy(17.9219, 0.1966, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	007DB3
RGB	0, 125, 179
RGB Percent	0%, 49%, 70%
CMY	1.0000, 0.5098, 0.2981
CMYK	1.00, 0.30, 0.00, 0.30
HSL	198°, 100%, 35%
HSV	198°, 100%, 70%
XYZ	15.4673, 17.9219, 45.2847
YIQ	93.7810, -91.8340, -9.7060

Conversions

Conversions Part 2

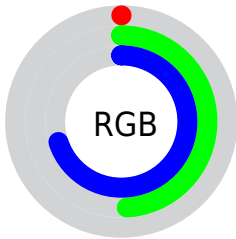
Format	Color
R _Y B	0, 74, 179
Decimal	32179
CIE Lab	49.40, -8.92, -36.53
CIE LCh	49, 37.602, 256.272
Yxy	17.9219, 0.1966, 0.2278
Android (android.graphics.Color)	4278222259 (0xFF007DB3)
YUV	93.7810, 42.0130, -82.2459
Hunter-Lab	42.3343, -8.8681, -33.7881

Details

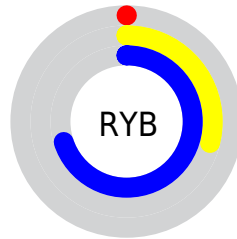
The Yxy color **17.9219, 0.1966, 0.2278** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.2185, 0.5954, 0.3655**, and the grayscale version is **11.0554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7178, 0.2206, 0.2494**, and **6.6752, 0.1883, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **17.9236, 0.1966, 0.2278**, and if you desaturate by 10%, it is **19.4554, 0.2017, 0.2390**.

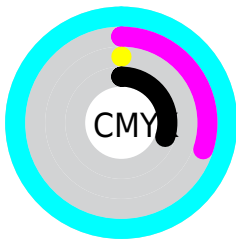
Distribution



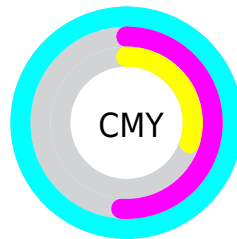
- Red (0%)
- Green (49%)
- Blue (70%)



- Red (0%)
- Yellow (29%)
- Blue (70%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9219, 0.1966, 0.2278 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 17.9219, 0.1966, 0.2278 by changing the saturation by 10% instead.

■ 17.9219, 0.1966,
0.2278

■ 17.9219, 0.1966,
0.2278

■ 240.4305, 0.2601,
0.2849

■ 10.8939, 0.1795,
0.2117

■ 39.9042, 0.2208,
0.2500

■ 5.9956, 0.1570,
0.1901

■ 55.6273, 0.2295,
0.2579

■ 2.8424, 0.1271,
0.1602

■ 75.0176, 0.2368,
0.2644

■ 1.0500, 0.0869,
0.1183

■ 98.4595, 0.2429,
0.2699

■ 0.0000, 0.0000,
0.0000

■ 126.3373, 0.2482,
0.2745

■ 159.0355, 0.2527,

0.2784

196.9384, 0.2566,
0.2819

■ 17.9219, 0.1966,
0.2278

■ 17.9219, 0.1966,
0.2278

■ 17.9236, 0.1966,
0.2278

■ 19.4554, 0.2017,
0.2390

■ 21.1789, 0.2084,
0.2503

■ 23.1395, 0.2171,
0.2617

■ 25.3596, 0.2276,
0.2729

■ 27.8583, 0.2397,
0.2838

■ 30.6524, 0.2531,
0.2942

■ 33.7572, 0.2674,
0.3040

■ 37.1867, 0.2823,
0.3131

■ 40.9540, 0.2975,
0.3214

Harmonies

Analogous

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



17.9219, 0.1875, 0.2637



17.9219, 0.1966, 0.2278



17.9219, 0.2324, 0.2190

Triad

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



17.9219, 0.1966, 0.2278



17.9219, 0.4296, 0.3149



17.9219, 0.3191, 0.4551

Complementary

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



17.9219, 0.1966, 0.2278



12.2185, 0.5954, 0.3655

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.



17.9219, 0.3871, 0.4566



17.9219, 0.1966, 0.2278



17.9219, 0.4562, 0.3684

Square

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



17.9219, 0.1966, 0.2278



17.9219, 0.3665, 0.2675



17.9219, 0.4385, 0.4202



17.9219, 0.2530, 0.4037

Rectangle

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



17.9219, 0.1966, 0.2278



17.9219, 0.2702, 0.2263



17.9219, 0.4385, 0.4202



17.9219, 0.3425, 0.4612

Sweetspot

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



17.9236, 0.1966, 0.2278



60.1723, 0.2667, 0.3035



32.4985, 0.2887, 0.5592



12.8049, 0.2606, 0.2995



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



17.9236, 0.1966, 0.2278



31.6941, 0.1961, 0.2260



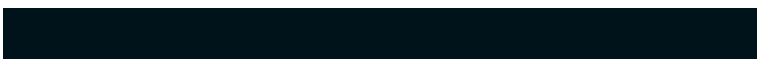
4.5037, 0.1556, 0.0800



9.1902, 0.2986, 0.3220



12.7859, 0.1970, 0.2291



0.4988, 0.2056, 0.2603

Inverse Universe

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



11.0631, 0.4149, 0.2059



19.7753, 0.4169, 0.2070



29.2841, 0.4596, 0.4733



8.6022, 0.3182, 0.3132



7.8309, 0.4136, 0.2052



0.2561, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 17.9219, 0.1966, 0.2278 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 17.9219, 0.1966, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

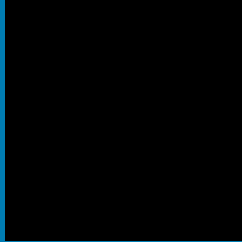
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9219, 0.1966, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 17.9219, 0.1966, 0.2278.



This preview shows how white text looks on a background with the Yxy color 17.9219, 0.1966, 0.2278.

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

17.9219, 0.1966, 0.2278

Protanopia

17.8544, 0.2404, 0.2305

Deuteranopia

17.9436, 0.2225, 0.2175

Trichromacy



Original Color

17.9219, 0.1966, 0.2278

Protanomaly

17.3064, 0.2140, 0.2274

Deuteranomaly

17.4851, 0.2063, 0.2197

Monochromacy



Original Color

17.9219, 0.1966, 0.2278

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5445, 0.2390, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9219, 0.1966, 0.2278 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, 125, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 179)  
}
```

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, 125, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 179) }
```

Border

The CSS property to change the border of an element to Yxy 17.9219, 0.1966, 0.2278 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, 125, 179) }
```

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

```
.border{ border-color:rgb(0, 125, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
179) }
```

Background

The CSS property to change the background color of an element to Yxy 17.9219, 0.1966, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 179) }
```

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

```
.background{ background-color: rgb(0, 125,  
179) }
```

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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