

Converting Colors

$Yxy(13.5542, 0.1218, 0.1855)$

Have a look what the booklet for
Yxy(13.5542, 0.1218, 0.1855)
contains.

Yxy(17.1506, 0.1898, 0.2033)	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

Yxy(17.1506, 0.1898, 0.2033)

Conversions

Conversions Part 1

Format	Color
Hex	0078BE
RGB	0, 120, 190
RGB Percent	0%, 47%, 75%
CMY	1.0000, 0.5294, 0.2548
CMYK	1.00, 0.37, 0.00, 0.25
HSL	202°, 100%, 37%
HSV	202°, 100%, 75%
XYZ	16.0117, 17.1506, 51.1987
YIQ	92.1000, -93.9900, -3.6700

Conversions

Conversions Part 2

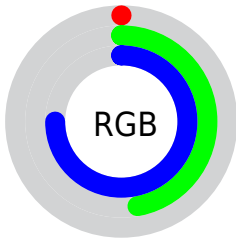
Format	Color
RYB	0, 74, 190
Decimal	30910
CIELab	48.45, -1.65, -44.40
CIELCh	48, 44.435, 267.867
Yxy	17.1506, 0.1898, 0.2033
Android (android.graphics.Color)	4278220990 (0xFF0078BE)
YUV	92.1000, 48.2647, -80.7717
Hunter-Lab	41.4133, -3.4593, -44.3102

Details

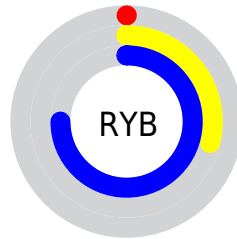
The Yxy color **17.1506, 0.1898, 0.2033** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.3352, 0.5787, 0.3787**, and the grayscale version is **10.6306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6533, 0.2152, 0.2295**, and **6.4123, 0.1810, 0.1717** is the 20% darker color. If you saturate the color by 10%, you get **17.1520, 0.1898, 0.2033**, and if you desaturate by 10%, it is **19.0370, 0.1956, 0.2171**.

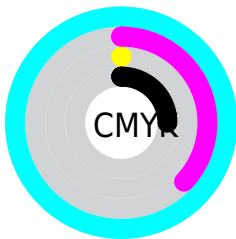
Distribution



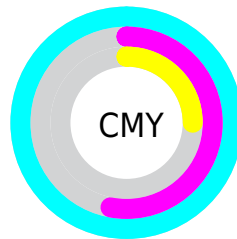
- Red (0%)
- Green (47%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1506, 0.1898, 0.2033 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 17.1506, 0.1898, 0.2033 by changing the saturation by 10% instead.

■ 17.1506, 0.1898,
0.2033

■ 17.1506, 0.1898,
0.2033

■ 236.0388, 0.2569,
0.2723

■ 10.3419, 0.1720,
0.1848

■ 38.5845, 0.2152,
0.2295

■ 5.6262, 0.1490,
0.1609

■ 53.9786, 0.2244,
0.2390

■ 2.6192, 0.1189,
0.1294

■ 73.0032, 0.2322,
0.2470

■ 0.9363, 0.0800,
0.0882

■ 96.0428, 0.2387,
0.2536

■ 0.0000, 0.0000,
0.0000

■ 123.4817, 0.2442,
0.2593

■ 155.7045, 0.2490,

0.2642

193.0953, 0.2532,
0.2685

■ 17.1506, 0.1898,
0.2033

■ 17.1506, 0.1898,
0.2033

■ 17.1520, 0.1898,
0.2033

■ 19.0370, 0.1956,
0.2171

■ 21.1831, 0.2032,
0.2311

■ 23.6416, 0.2128,
0.2453

■ 26.4397, 0.2244,
0.2594

■ 29.6005, 0.2374,
0.2730

■ 33.1448, 0.2516,
0.2860

■ 37.0912, 0.2666,
0.2982

■ 41.4570, 0.2820,
0.3094

■ 46.2583, 0.2974,
0.3197

Harmonies

Analogous

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



17.1506, 0.1677, 0.2304



17.1506, 0.1898, 0.2033



17.1506, 0.2418, 0.2049

Triad

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



17.1506, 0.1898, 0.2033



17.1506, 0.4713, 0.3335



17.1506, 0.2863, 0.4661

Complementary

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



17.1506, 0.1898, 0.2033



15.3352, 0.5787, 0.3787

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.



17.1506, 0.3678, 0.4885



17.1506, 0.1898, 0.2033



17.1506, 0.4801, 0.3954

Square

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



17.1506, 0.1898, 0.2033



17.1506, 0.4095, 0.2762



17.1506, 0.4392, 0.4539



17.1506, 0.2164, 0.3839

Rectangle

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



17.1506, 0.1898, 0.2033



17.1506, 0.2923, 0.2197



17.1506, 0.4392, 0.4539



17.1506, 0.3133, 0.4814

Sweetspot

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



17.1520, 0.1898, 0.2033



66.8262, 0.2659, 0.2976



37.2782, 0.2841, 0.5426



13.9875, 0.2594, 0.2925



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.1520, 0.1898, 0.2033



30.5798, 0.1892, 0.2012



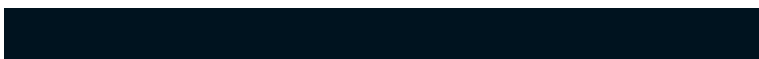
4.4288, 0.1528, 0.0701



10.2022, 0.2985, 0.3203



11.5551, 0.1903, 0.2051



0.5736, 0.1995, 0.2382

Inverse Universe

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



12.3071, 0.4416, 0.2206



22.2448, 0.4440, 0.2219



37.7507, 0.4450, 0.4849



9.6350, 0.3192, 0.3146



8.1962, 0.4395, 0.2195



0.3333, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 17.1506, 0.1898, 0.2033 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 17.1506, 0.1898, 0.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

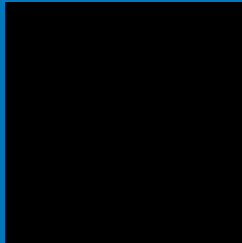
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1506, 0.1898, 0.2033

Background



This preview shows how black text looks on a background with the Yxy color 17.1506, 0.1898, 0.2033.



This preview shows how white text looks on a background with the Yxy color 17.1506, 0.1898, 0.2033.

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

17.1506, 0.1898, 0.2033

Protanopia

17.0819, 0.2224, 0.2069

Deuteranopia

17.0798, 0.2037, 0.1979



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.1506, 0.1898, 0.2033

Protanomaly

16.6474, 0.2026, 0.2029

Deuteranomaly

16.9353, 0.1952, 0.1986

Tritanomaly

17.0675, 0.2069, 0.2648

Monochromacy



Original Color

17.1506, 0.1898, 0.2033

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.9911, 0.2342, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1506, 0.1898, 0.2033 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 190) }
```

Border

The CSS property to change the border of an element to Yxy 17.1506, 0.1898, 0.2033 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, 190) }
```

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

```
.border{ border-color:rgb(0, 120, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1506, 0.1898, 0.2033 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, 190) }
```

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

```
.background{ background-color: rgb(0, 120,  
190) }
```

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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