

Converting Colors

$Y_{xy}(16.1063, 0.1757, 0.2150)$

Have a look what the booklet for
Yxy(16.1063, 0.1757, 0.2150)
contains.

Yxy(17.2144, 0.1946, 0.2204)	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(17.2144, 0.1946, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	007AB4
RGB	0, 122, 180
RGB Percent	0%, 48%, 71%
CMY	0.9986, 0.5216, 0.2942
CMYK	1.00, 0.32, 0.00, 0.29
HSL	199°, 100%, 35%
HSV	199°, 100%, 71%
XYZ	15.1993, 17.2144, 45.6916
YIQ	92.1340, -91.3300, -7.8260

Conversions

Conversions Part 2

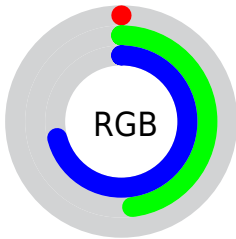
Format	Color
RYB	0, 73, 180
Decimal	31412
CIELab	48.53, -6.75, -38.48
CIELCh	49, 39.065, 260.050
Yxy	17.2144, 0.1946, 0.2204
Android (android.graphics.Color)	4278221492 (0xFF007AB4)
YUV	92.1340, 43.3179, -80.8015
Hunter-Lab	41.4902, -7.2173, -36.2506

Details

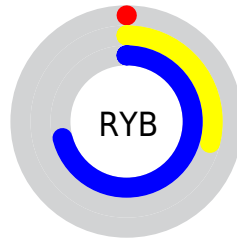
The Yxy color **17.2144, 0.1946, 0.2204** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.7633, 0.5896, 0.3698**, and the grayscale version is **10.6743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6035, 0.2192, 0.2439**, and **6.4299, 0.1863, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **17.1839, 0.1945, 0.2202**, and if you desaturate by 10%, it is **18.8145, 0.2000, 0.2324**.

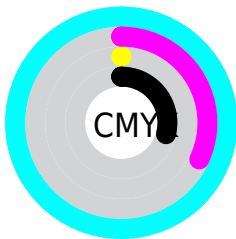
Distribution



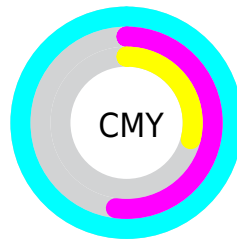
- Red (0%)
- Green (48%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (52%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2144, 0.1946, 0.2204 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 17.2144, 0.1946, 0.2204 by changing the saturation by 10% instead.

■ 17.2144, 0.1946,
0.2204

■ 17.2144, 0.1946,
0.2204

■ 236.4049, 0.2594,
0.2814

■ 10.3875, 0.1771,
0.2033

■ 38.6940, 0.2193,
0.2440

■ 5.6566, 0.1542,
0.1806

■ 54.1155, 0.2283,
0.2525

■ 2.6374, 0.1237,
0.1496

■ 73.1707, 0.2357,
0.2595

■ 0.9455, 0.0828,
0.1068

■ 96.2439, 0.2419,
0.2653

■ 0.0000, 0.0000,
0.0000

■ 123.7195, 0.2473,
0.2702

■ 155.9819, 0.2519,

0.2745

193.4156, 0.2559,
0.2782

■ 17.2144, 0.1946,
0.2204

■ 17.2144, 0.1946,
0.2204

■ 17.1839, 0.1945,
0.2202

■ 18.8145, 0.2000,
0.2324

■ 20.6205, 0.2070,
0.2446

■ 22.6778, 0.2160,
0.2569

■ 25.0093, 0.2269,
0.2689

■ 27.6345, 0.2393,
0.2807

■ 30.5706, 0.2530,
0.2919

■ 33.8334, 0.2675,
0.3024

■ 37.4374, 0.2826,
0.3121

■ 41.3960, 0.2978,
0.3211

Harmonies

Analogous

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



17.2144, 0.1816, 0.2537



17.2144, 0.1946, 0.2204



17.2144, 0.2351, 0.2148

Triad

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



17.2144, 0.1946, 0.2204



17.2144, 0.4419, 0.3206



17.2144, 0.3096, 0.4585

Complementary

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



17.2144, 0.1946, 0.2204



12.7633, 0.5896, 0.3698

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.



17.2144, 0.3817, 0.4657



17.2144, 0.1946, 0.2204



17.2144, 0.4636, 0.3764

Square

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



17.2144, 0.1946, 0.2204



17.2144, 0.3788, 0.2702



17.2144, 0.4391, 0.4299



17.2144, 0.2422, 0.3983

Rectangle

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



17.2144, 0.1946, 0.2204



17.2144, 0.2765, 0.2244



17.2144, 0.4391, 0.4299



17.2144, 0.3341, 0.4671

Sweetspot

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



17.2150, 0.1946, 0.2204



60.9177, 0.2664, 0.3017



32.9354, 0.2875, 0.5548



12.6240, 0.2604, 0.2974



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.



17.2150, 0.1946, 0.2204



30.7249, 0.1939, 0.2182



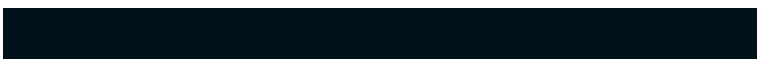
4.4009, 0.1549, 0.0775



9.1598, 0.2986, 0.3215



12.1217, 0.1949, 0.2216



0.4816, 0.2042, 0.2551

Inverse Universe

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



11.1140, 0.4228, 0.2104



20.0927, 0.4252, 0.2116



30.5854, 0.4557, 0.4763



8.5991, 0.3185, 0.3137



7.7638, 0.4215, 0.2096



0.2544, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 17.2144, 0.1946, 0.2204 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 17.2144, 0.1946, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

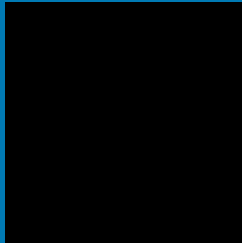
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.2144, 0.1946, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 17.2144, 0.1946, 0.2204.



This preview shows how white text looks on a background with the Yxy color 17.2144, 0.1946, 0.2204.

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

17.2144, 0.1946, 0.2204

Protanopia

17.1685, 0.2348, 0.2243

Deuteranopia

17.2586, 0.2170, 0.2114



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.2144, 0.1946, 0.2204

Protanomaly

16.5466, 0.2104, 0.2197

Deuteranomaly

16.9712, 0.2036, 0.2142

Tritanomaly

17.2216, 0.2090, 0.2725

Monochromacy



Original Color

17.2144, 0.1946, 0.2204

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.0855, 0.2380, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2144, 0.1946, 0.2204 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, 122, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 180)  
}
```

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, 122, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 180) }
```

Border

The CSS property to change the border of an element to Yxy 17.2144, 0.1946, 0.2204 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, 122, 180) }
```

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

```
.border{ border-color:rgb(0, 122, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2144, 0.1946, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 180) }
```

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

```
.background{ background-color: rgb(0, 122,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor