

Converting Colors

$Yxy(17.2015, 0.1998, 0.2342)$

Have a look what the booklet for
Yxy(17.2015, 0.1998, 0.2342)
contains.

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Color

Yxy(17.2300, 0.1999, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	0D7BAC
RGB	13, 123, 172
RGB Percent	5%, 48%, 67%
CMY	0.9495, 0.5176, 0.3255
CMYK	0.93, 0.28, 0.00, 0.33
HSL	198°, 86%, 36%
HSV	198°, 93%, 67%
XYZ	14.6940, 17.2300, 41.5828
YIQ	95.6960, -81.2890, -8.0810

Conversions

Conversions Part 2

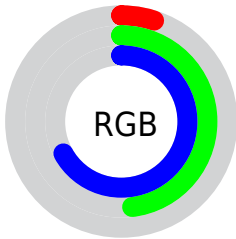
Format	Color
RYB	13, 78, 172
Decimal	883628
CIELab	48.55, -9.87, -33.81
CIELCh	49, 35.226, 253.720
Yxy	17.2300, 0.1999, 0.2344
Android (android.graphics.Color)	4279073708 (0xFF0D7BAC)
YUV	95.6960, 37.6179, -72.5244
Hunter-Lab	41.5090, -9.4526, -30.3391

Details

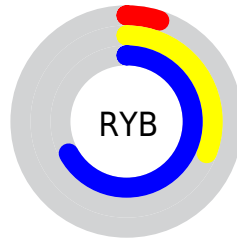
The Yxy color **17.2300, 0.1999, 0.2344** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.2323, 0.5736, 0.3731**, and the grayscale version is **11.5340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5885, 0.2234, 0.2547**, and **6.2295, 0.1903, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **16.1815, 0.1961, 0.2259**, and if you desaturate by 10%, it is **18.7732, 0.2062, 0.2459**.

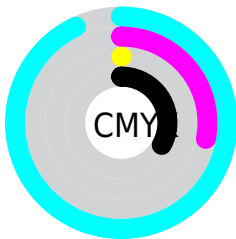
Distribution



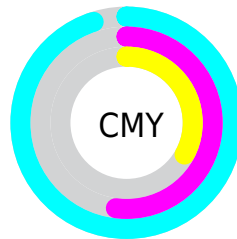
- Red (5%)
- Green (48%)
- Blue (67%)



- Red (5%)
- Yellow (31%)
- Blue (67%)



- Cyan (93%)
- Magenta (28%)
- Yellow (0%)
- Black (33%)



- Cyan (95%)
- Magenta (52%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2300, 0.1999, 0.2344 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 17.2300, 0.1999, 0.2344 by changing the saturation by 10% instead.

■ 17.2300, 0.1999,
0.2344

■ 17.2300, 0.1999,
0.2344

■ 236.4943, 0.2621,
0.2884

■ 10.3986, 0.1828,
0.2187

■ 38.7208, 0.2238,
0.2557

■ 5.6640, 0.1602,
0.1975

■ 54.1490, 0.2324,
0.2632

■ 2.6419, 0.1296,
0.1675

■ 73.2116, 0.2395,
0.2693

■ 0.9478, 0.0865,
0.1245

■ 96.2930, 0.2455,
0.2744

■ 0.0000, 0.0000,
0.0000

■ 123.7776, 0.2506,
0.2788

■ 156.0497, 0.2550,

0.2824

193.4938, 0.2588,
0.2856

■ 17.2300, 0.1999,
0.2344

■ 17.2300, 0.1999,
0.2344

■ 16.1815, 0.1961,
0.2259

■ 18.7732, 0.2062,
0.2459

■ 20.5292, 0.2145,
0.2575

■ 22.5198, 0.2247,
0.2690

■ 24.7630, 0.2365,
0.2802

■ 27.2746, 0.2497,
0.2910

■ 30.0687, 0.2638,
0.3011

■ 33.1584, 0.2786,
0.3106

■ 36.5558, 0.2938,
0.3192

■ 40.2722, 0.3089,
0.3271

Harmonies

Analogous

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



17.2300, 0.1935, 0.2715



17.2300, 0.1999, 0.2344



17.2300, 0.2322, 0.2236

Triad

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



17.2300, 0.1999, 0.2344



17.2300, 0.4197, 0.3118



17.2300, 0.3251, 0.4501

Complementary

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



17.2300, 0.1999, 0.2344



12.2323, 0.5736, 0.3731

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.



17.2300, 0.3891, 0.4486



17.2300, 0.1999, 0.2344



17.2300, 0.4486, 0.3630

Square

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



17.2300, 0.1999, 0.2344



17.2300, 0.3579, 0.2670



17.2300, 0.4356, 0.4128



17.2300, 0.2610, 0.4051

Rectangle

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



17.2300, 0.1999, 0.2344



17.2300, 0.2672, 0.2293



17.2300, 0.4356, 0.4128



17.2300, 0.3473, 0.4547

Sweetspot

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



17.2306, 0.1999, 0.2344



56.7272, 0.2697, 0.3050



29.9242, 0.2865, 0.5443



11.8337, 0.2636, 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.



17.2306, 0.1999, 0.2344



28.9460, 0.1955, 0.2239



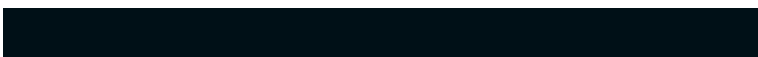
4.9179, 0.1611, 0.0928



8.6495, 0.2986, 0.3219



12.1416, 0.1964, 0.2270



0.4288, 0.2060, 0.2615

Inverse Universe

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



10.4862, 0.4074, 0.2061



18.2879, 0.4191, 0.2082



27.6087, 0.4535, 0.4727



8.1054, 0.3183, 0.3134



7.5287, 0.4158, 0.2064



0.2186, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 17.2300, 0.1999, 0.2344 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 17.2300, 0.1999, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

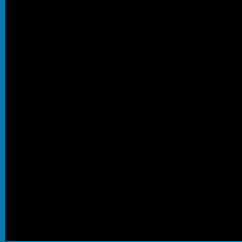
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2300, 0.1999, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 17.2300, 0.1999, 0.2344.

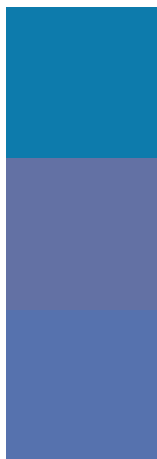


This preview shows how white text looks on a background with the Yxy color 17.2300, 0.1999, 0.2344.

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

17.2300, 0.1999, 0.2344

Protanopia

17.1432, 0.2452, 0.2368

Deuteranopia

17.0691, 0.2273, 0.2217



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.2300, 0.1999, 0.2344

Protanomaly

16.7415, 0.2201, 0.2344

Deuteranomaly

16.6695, 0.2114, 0.2243

Tritanomaly

17.1560, 0.2113, 0.2782

Monochromacy



Original Color

17.2300, 0.1999, 0.2344

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.9216, 0.2456, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2300, 0.1999, 0.2344 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(13, 123, 172)` looks like.

```
.text, #text, p{  
    color:rgb(13, 123, 172)  
}
```

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(13, 123, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 123, 172) }
```

Border

The CSS property to change the border of an element to Yxy 17.2300, 0.1999, 0.2344 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(13, 123, 172) }
```

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

```
.border{ border-color:rgb(13, 123, 172) }
```

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

Here you see how a box with a 4 pixel rgb(13, 123, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 123, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 123, 172);  
box-shadow:4px 4px 4px 4px rgb(13, 123,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2300, 0.1999, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 123, 172) }
```

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

```
.background{ background-color: rgb(13, 123,  
172) }
```

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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