

Converting Colors

$Yxy(19.8570, 0.1984, 0.2343)$

Have a look what the booklet for
Yxy(19.8570, 0.1984, 0.2343)
contains.

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Color

Yxy(19.9632, 0.1984, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	0084B8
RGB	0, 132, 184
RGB Percent	0%, 52%, 72%
CMY	1.0000, 0.4823, 0.2785
CMYK	1.00, 0.28, 0.00, 0.28
HSL	197°, 100%, 36%
HSV	197°, 100%, 72%
XYZ	16.8972, 19.9632, 48.3069
YIQ	98.4600, -95.3640, -11.8120

Conversions

Conversions Part 2

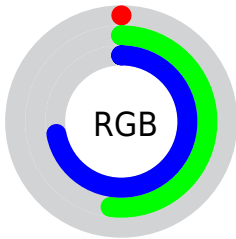
Format	Color
RYB	0, 77, 184
Decimal	33976
CIELab	51.80, -11.08, -35.65
CIELCh	52, 37.331, 252.737
Yxy	19.9632, 0.1984, 0.2344
Android (android.graphics.Color)	4278224056 (0xFF0084B8)
YUV	98.4600, 42.1712, -86.3494
Hunter-Lab	44.6802, -10.6851, -32.8264

Details

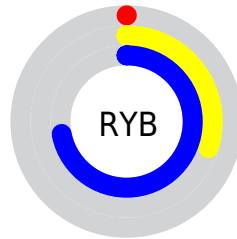
The Yxy color **19.9632, 0.1984, 0.2344** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **12.6438, 0.6003, 0.3616**, and the grayscale version is **12.2476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3689, 0.2219, 0.2553**, and **7.8252, 0.1911, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **19.9673, 0.1985, 0.2344**, and if you desaturate by 10%, it is **21.5451, 0.2033, 0.2449**.

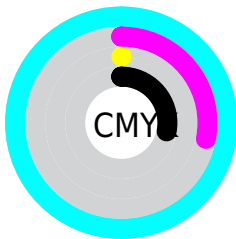
Distribution



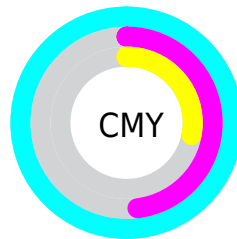
- Red (0%)
- Green (52%)
- Blue (72%)



- Red (0%)
- Yellow (30%)
- Blue (72%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (48%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9632, 0.1984, 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 19.9632, 0.1984, 0.2344 by changing the saturation by 10% instead.

■ 19.9632, 0.1984,
0.2344

■ 19.9632, 0.1984,
0.2344

■ 251.7158, 0.2600,
0.2873

■ 12.3683, 0.1821,
0.2196

■ 43.3555, 0.2216,
0.2549

■ 6.9950, 0.1608,
0.1997

■ 59.9216, 0.2301,
0.2622

■ 3.4590, 0.1326,
0.1724

■ 80.2470, 0.2372,
0.2683

■ 1.3758, 0.0949,
0.1336

■ 104.7160, 0.2432,
0.2733

■ 0.1988, 0.0000,
0.0477

■ 133.7130, 0.2483,
0.2776

■ 0.0000, 0.0000,
0.0000

■ 167.6223, 0.2527,

0.2813

206.8285, 0.2566,
0.2845

■ 19.9632, 0.1984,
0.2344

■ 19.9632, 0.1984,
0.2344

■ 19.9673, 0.1985,
0.2344

■ 21.5451, 0.2033,
0.2449

■ 23.3188, 0.2097,
0.2554

■ 25.3358, 0.2180,
0.2660

■ 27.6199, 0.2283,
0.2765

■ 30.1912, 0.2401,
0.2867

■ 33.0676, 0.2533,
0.2964

■ 36.2653, 0.2675,
0.3056

■ 39.7991, 0.2823,
0.3141

■ 43.6827, 0.2975,
0.3219

Harmonies

Analogous

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



19.9632, 0.1928, 0.2726



19.9632, 0.1984, 0.2344



19.9632, 0.2301, 0.2227

Triad

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



19.9632, 0.1984, 0.2344



19.9632, 0.4190, 0.3099



19.9632, 0.3273, 0.4520

Complementary

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



19.9632, 0.1984, 0.2344



12.6438, 0.6003, 0.3616

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.



19.9632, 0.3916, 0.4489



19.9632, 0.1984, 0.2344



19.9632, 0.4495, 0.3614

Square

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



19.9632, 0.1984, 0.2344



19.9632, 0.3560, 0.2652



19.9632, 0.4376, 0.4118



19.9632, 0.2625, 0.4080

Rectangle

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



19.9632, 0.1984, 0.2344



19.9632, 0.2649, 0.2281



19.9632, 0.4376, 0.4118



19.9632, 0.3497, 0.4561

Sweetspot

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



19.9673, 0.1985, 0.2344



65.4395, 0.2668, 0.3051



34.5011, 0.2909, 0.5671



13.5717, 0.2608, 0.3013



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



19.9673, 0.1985, 0.2344



35.7725, 0.1980, 0.2327



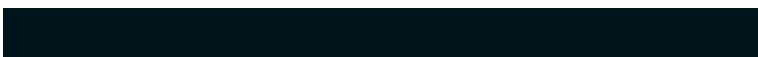
5.1833, 0.1571, 0.0856



9.7702, 0.2985, 0.3224



13.8868, 0.1988, 0.2357



0.5888, 0.2063, 0.2626

Inverse Universe

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



11.8561, 0.4080, 0.2021



21.4508, 0.4098, 0.2031



29.2580, 0.4676, 0.4669



9.1183, 0.3179, 0.3127



8.1842, 0.4067, 0.2014



0.2985, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 19.9632, 0.1984, 0.2344 looks on a white 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

Black Background



This preview shows how the Yxy color 19.9632, 0.1984, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

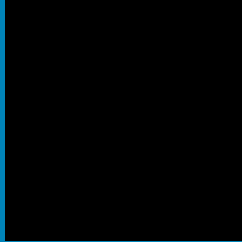
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9632, 0.1984, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 19.9632, 0.1984, 0.2344.

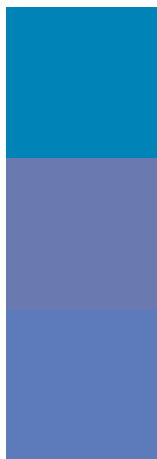


This preview shows how white text looks on a background with the Yxy color 19.9632, 0.1984, 0.2344.

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

19.9632, 0.1984, 0.2344

Protanopia

19.8341, 0.2453, 0.2371

Deuteranopia

20.0382, 0.2280, 0.2233



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

19.9632, 0.1984, 0.2344

Protanomaly

19.0749, 0.2166, 0.2337

Deuteranomaly

19.3543, 0.2094, 0.2249

Tritanomaly

19.8660, 0.2109, 0.2791

Monochromacy



Original Color

19.9632, 0.1984, 0.2344

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.7610, 0.2396, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9632, 0.1984, 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(0, 132, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 184)  
}
```

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, 132, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 184) }
```

Border

The CSS property to change the border of an element to Yxy 19.9632, 0.1984, 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(0, 132, 184) }
```

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

```
.border{ border-color:rgb(0, 132, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9632, 0.1984, 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(0, 132, 184) }
```

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

```
.background{ background-color: rgb(0, 132,  
184) }
```

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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