

Converting Colors

$Y_{xy}(17.7560, 0.1673, 0.2296)$

Have a look what the booklet for
Yxy(17.7560, 0.1673, 0.2296)
contains.

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Color

Yxy(19.5688, 0.1991, 0.2368)

Conversions

Conversions Part 1

Format	Color
Hex	0083B5
RGB	0, 131, 181
RGB Percent	0%, 51%, 71%
CMY	1.0000, 0.4862, 0.2903
CMYK	1.00, 0.28, 0.00, 0.29
HSL	197°, 100%, 35%
HSV	197°, 100%, 71%
XYZ	16.4533, 19.5688, 46.6164
YIQ	97.5310, -94.1260, -12.2220

Conversions

Conversions Part 2

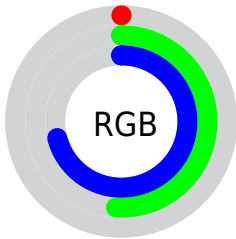
Format	Color
RYB	0, 76, 181
Decimal	33717
CIELab	51.35, -11.62, -34.62
CIELCh	51, 36.523, 251.441
Yxy	19.5688, 0.1991, 0.2368
Android (android.graphics.Color)	4278223797 (0xFF0083B5)
YUV	97.5310, 41.1502, -85.5347
Hunter-Lab	44.2366, -11.0230, -31.5139

Details

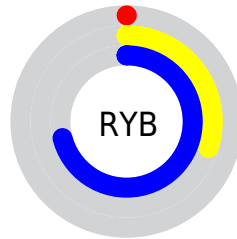
The Yxy color **19.5688, 0.1991, 0.2368** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **12.1006, 0.6016, 0.3605**, and the grayscale version is **12.0065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7226, 0.2224, 0.2572**, and **7.5931, 0.1919, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **19.5706, 0.1991, 0.2368**, and if you desaturate by 10%, it is **21.0752, 0.2039, 0.2470**.

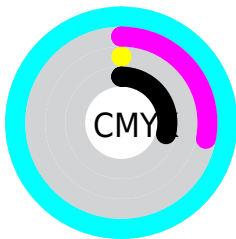
Distribution



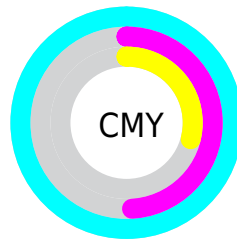
- Red (0%)
- Green (51%)
- Blue (71%)



- Red (0%)
- Yellow (30%)
- Blue (71%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5688, 0.1991, 0.2368 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 19.5688, 0.1991, 0.2368 by changing the saturation by 10% instead.

■ 19.5688, 0.1991,
0.2368

■ 19.5688, 0.1991,
0.2368

■ 249.5711, 0.2605,
0.2887

■ 12.0820, 0.1827,
0.2221

■ 42.6931, 0.2223,
0.2570

■ 6.7995, 0.1613,
0.2023

■ 59.0993, 0.2308,
0.2642

■ 3.3371, 0.1327,
0.1749

■ 79.2475, 0.2379,
0.2701

■ 1.3101, 0.0944,
0.1356

■ 103.5220, 0.2438,
0.2751

■ 0.1490, 0.0000,
0.0392

■ 132.3072, 0.2489,
0.2793

■ 0.0000, 0.0000,
0.0000

■ 165.9875, 0.2533,

0.2829

204.9474, 0.2572,
0.2860

■ 19.5688, 0.1991,
0.2368

■ 19.5688, 0.1991,
0.2368

■ 19.5706, 0.1991,
0.2368

■ 21.0752, 0.2039,
0.2470

■ 22.7651, 0.2102,
0.2573

■ 24.6861, 0.2185,
0.2676

■ 26.8612, 0.2286,
0.2778

■ 29.3095, 0.2404,
0.2877

■ 32.0482, 0.2535,
0.2972

■ 35.0927, 0.2676,
0.3061

■ 38.4572, 0.2824,
0.3144

■ 42.1548, 0.2975,
0.3221

Harmonies

Analogous

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



19.5688, 0.1947, 0.2758



19.5688, 0.1991, 0.2368



19.5688, 0.2294, 0.2241

Triad

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



19.5688, 0.1991, 0.2368



19.5688, 0.4152, 0.3082



19.5688, 0.3301, 0.4508

Complementary

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



19.5688, 0.1991, 0.2368



12.1006, 0.6016, 0.3605

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.



19.5688, 0.3931, 0.4461



19.5688, 0.1991, 0.2368



19.5688, 0.4471, 0.3589

Square

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



19.5688, 0.1991, 0.2368



19.5688, 0.3524, 0.2644



19.5688, 0.4372, 0.4089



19.5688, 0.2658, 0.4094

Rectangle

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



19.5688, 0.1991, 0.2368



19.5688, 0.2631, 0.2287



19.5688, 0.4372, 0.4089



19.5688, 0.3521, 0.4542

Sweetspot

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



19.5706, 0.1991, 0.2368



62.5767, 0.2669, 0.3057



33.2563, 0.2908, 0.5669



13.0242, 0.2610, 0.3020



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.



19.5706, 0.1991, 0.2368



34.6577, 0.1987, 0.2352



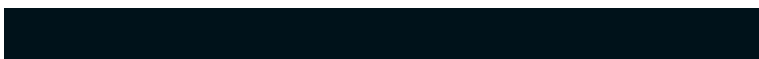
5.0077, 0.1572, 0.0858



9.2269, 0.2986, 0.3226



13.6150, 0.1995, 0.2381



0.5200, 0.2073, 0.2664

Inverse Universe

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



11.4606, 0.4056, 0.2008



20.4897, 0.4073, 0.2017



28.2156, 0.4675, 0.4670



8.6059, 0.3178, 0.3127



7.9146, 0.4043, 0.2001



0.2583, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 19.5688, 0.1991, 0.2368 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 19.5688, 0.1991, 0.2368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

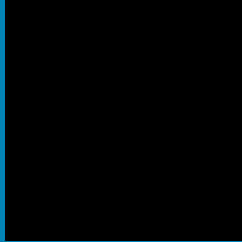
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5688, 0.1991, 0.2368

Background



This preview shows how black text looks on a background with the Yxy color 19.5688, 0.1991, 0.2368.

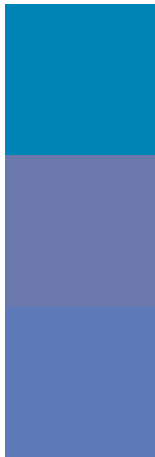


This preview shows how white text looks on a background with the Yxy color 19.5688, 0.1991, 0.2368.

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

19.5688, 0.1991, 0.2368

Protanopia

19.4757, 0.2473, 0.2395

Deuteranopia

19.4208, 0.2292, 0.2237



Tritanopia

19.6836, 0.2189, 0.3079

Trichromacy



Original Color

19.5688, 0.1991, 0.2368

Protanomaly

18.7037, 0.2179, 0.2361

Deuteranomaly

18.9744, 0.2104, 0.2271

Tritanomaly

19.5534, 0.2108, 0.2788

Monochromacy



Original Color

19.5688, 0.1991, 0.2368

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.7345, 0.2404, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5688, 0.1991, 0.2368 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, 131, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 181)  
}
```

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, 131, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 181) }
```

Border

The CSS property to change the border of an element to Yxy 19.5688, 0.1991, 0.2368 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, 131, 181) }
```

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

```
.border{ border-color:rgb(0, 131, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5688, 0.1991, 0.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 181) }
```

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

```
.background{ background-color: rgb(0, 131,  
181) }
```

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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