

Converting Colors

$Yxy(20.3120, 0.1981, 0.2331)$

Have a look what the booklet for
Yxy(20.3120, 0.1981, 0.2331)
contains.

Yxy(20.3202, 0.1982, 0.2335)	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

$Y_{xy}(20.3202, 0.1982, 0.2335)$

Conversions

Conversions Part 1

Format	Color
Hex	0085BA
RGB	0, 133, 186
RGB Percent	0%, 52%, 73%
CMY	1.0000, 0.4784, 0.2707
CMYK	1.00, 0.28, 0.00, 0.27
HSL	197°, 100%, 36%
HSV	197°, 100%, 73%
XYZ	17.2482, 20.3202, 49.4560
YIQ	99.2750, -96.2810, -11.7130

Conversions

Conversions Part 2

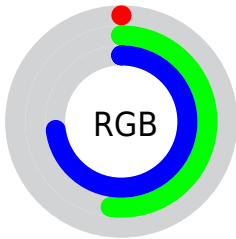
Format	Color
RYB	0, 78, 186
Decimal	34234
CIELab	52.20, -10.88, -36.16
CIELCh	52, 37.757, 253.258
Yxy	20.3202, 0.1982, 0.2335
Android (android.graphics.Color)	4278224314 (0xFF0085BA)
YUV	99.2750, 42.7554, -87.0642
Hunter-Lab	45.0779, -10.5867, -33.4938

Details

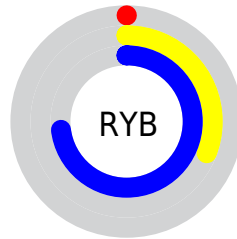
The Yxy color **20.3202, 0.1982, 0.2335** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **12.9805, 0.5999, 0.3619**, and the grayscale version is **12.4590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9083, 0.2214, 0.2544**, and **8.0341, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **20.3209, 0.1982, 0.2335**, and if you desaturate by 10%, it is **21.9428, 0.2030, 0.2440**.

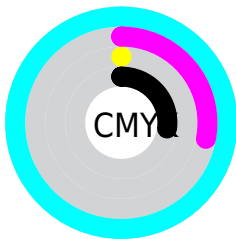
Distribution



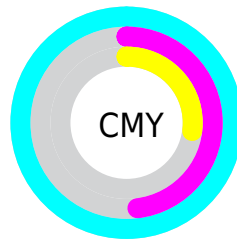
- Red (0%)
- Green (52%)
- Blue (73%)



- Red (0%)
- Yellow (31%)
- Blue (73%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3202, 0.1982, 0.2335 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 20.3202, 0.1982, 0.2335 by changing the saturation by 10% instead.

■ 20.3202, 0.1982,
0.2335

■ 20.3202, 0.1982,
0.2335

■ 253.6433, 0.2597,
0.2867

■ 12.6280, 0.1820,
0.2187

■ 43.9534, 0.2213,
0.2541

■ 7.1729, 0.1609,
0.1989

■ 60.6631, 0.2298,
0.2614

■ 3.5705, 0.1330,
0.1718

■ 81.1476, 0.2369,
0.2675

■ 1.4363, 0.0958,
0.1335

■ 105.7911, 0.2429,
0.2726

■ 0.2433, 0.0000,
0.0548

■ 134.9780, 0.2480,
0.2769

■ 0.0000, 0.0000,
0.0000

■ 169.0927, 0.2524,

0.2807

208.5197, 0.2563,
0.2839

■ 20.3202, 0.1982,
0.2335

■ 20.3202, 0.1982,
0.2335

■ 20.3209, 0.1982,
0.2335

■ 21.9428, 0.2030,
0.2440

■ 23.7670, 0.2094,
0.2547

■ 25.8418, 0.2179,
0.2654

■ 28.1916, 0.2281,
0.2760

■ 30.8371, 0.2400,
0.2863

■ 33.7968, 0.2533,
0.2961

■ 37.0873, 0.2675,
0.3053

■ 40.7237, 0.2823,
0.3139

■ 44.7203, 0.2975,
0.3218

Harmonies

Analogous

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



20.3202, 0.1921, 0.2713



20.3202, 0.1982, 0.2335



20.3202, 0.2305, 0.2223

Triad

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



20.3202, 0.1982, 0.2335



20.3202, 0.4204, 0.3107



20.3202, 0.3261, 0.4524

Complementary

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



20.3202, 0.1982, 0.2335



12.9805, 0.5999, 0.3619

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.



20.3202, 0.3909, 0.4499



20.3202, 0.1982, 0.2335



20.3202, 0.4504, 0.3624

Square

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



20.3202, 0.1982, 0.2335



20.3202, 0.3574, 0.2655



20.3202, 0.4377, 0.4130



20.3202, 0.2612, 0.4074

Rectangle

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



20.3202, 0.1982, 0.2335



20.3202, 0.2657, 0.2279



20.3202, 0.4377, 0.4130



20.3202, 0.3487, 0.4567

Sweetspot

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



20.3209, 0.1982, 0.2335



66.9281, 0.2667, 0.3049



35.3637, 0.2899, 0.5635



14.1683, 0.2606, 0.3010



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.3209, 0.1982, 0.2335



36.4081, 0.1977, 0.2318



5.0819, 0.1563, 0.0825



9.7666, 0.2985, 0.3223



13.8071, 0.1986, 0.2349



0.5865, 0.2061, 0.2620

Inverse Universe

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



12.1302, 0.4090, 0.2027



21.9482, 0.4107, 0.2036



30.8972, 0.4636, 0.4701



9.1179, 0.3180, 0.3128



8.1762, 0.4076, 0.2019



0.2983, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 20.3202, 0.1982, 0.2335 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 20.3202, 0.1982, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

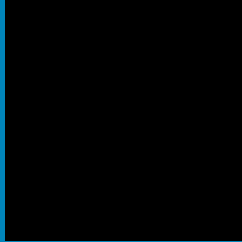
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3202, 0.1982, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 20.3202, 0.1982, 0.2335.

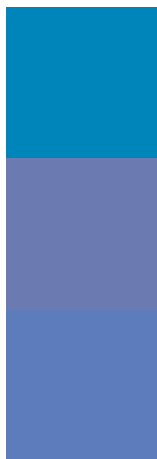


This preview shows how white text looks on a background with the Yxy color 20.3202, 0.1982, 0.2335.

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

20.3202, 0.1982, 0.2335

Protanopia

20.2192, 0.2449, 0.2363

Deuteranopia

20.3733, 0.2271, 0.2225



Tritanopia

20.3151, 0.2189, 0.3081

Trichromacy



Original Color

20.3202, 0.1982, 0.2335

Protanomaly

19.4459, 0.2165, 0.2329

Deuteranomaly

19.6964, 0.2089, 0.2241

Tritanomaly

20.2170, 0.2105, 0.2776

Monochromacy



Original Color

20.3202, 0.1982, 0.2335

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.0643, 0.2392, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3202, 0.1982, 0.2335 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, 133, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 186)  
}
```

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, 133, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 186) }
```

Border

The CSS property to change the border of an element to Yxy 20.3202, 0.1982, 0.2335 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, 133, 186) }
```

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

```
.border{ border-color:rgb(0, 133, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3202, 0.1982, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 186) }
```

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

```
.background{ background-color: rgb(0, 133,  
186) }
```

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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