

Converting Colors

$Y_{xy}(19.7630, 0.1875, 0.2158)$

Have a look what the booklet for
Yxy(19.7630, 0.1875, 0.2158)
contains.

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Color

Yxy(20.1727, 0.1938, 0.2176)

Conversions

Conversions Part 1

Format	Color
Hex	0083C3
RGB	0, 131, 195
RGB Percent	0%, 51%, 76%
CMY	0.9993, 0.4863, 0.2354
CMYK	1.00, 0.33, 0.00, 0.24
HSL	200°, 100%, 38%
HSV	200°, 100%, 76%
XYZ	17.9663, 20.1727, 54.5664
YIQ	99.1270, -98.6200, -7.8680

Conversions

Conversions Part 2

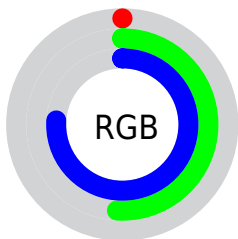
Format	Color
RYB	0, 78, 195
Decimal	33731
CIELab	52.03, -6.29, -41.57
CIELCh	52, 42.038, 261.397
Yxy	20.1727, 0.1938, 0.2176
Android (android.graphics.Color)	4278223811 (0xFF0083C3)
YUV	99.1270, 47.2654, -86.9344
Hunter-Lab	44.9140, -7.1968, -40.5921

Details

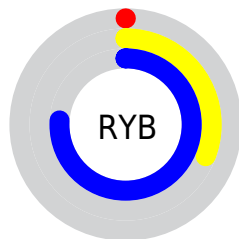
The Yxy color **20.1727, 0.1938, 0.2176** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **15.2850, 0.5894, 0.3701**, and the grayscale version is **12.4220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7961, 0.2175, 0.2409**, and **7.9577, 0.1858, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **20.1567, 0.1938, 0.2175**, and if you desaturate by 10%, it is **22.0914, 0.1991, 0.2299**.

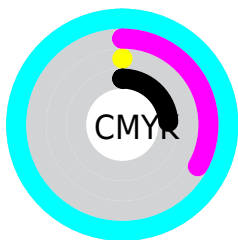
Distribution



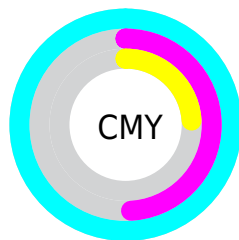
- Red (0%)
- Green (51%)
- Blue (76%)



- Red (0%)
- Yellow (31%)
- Blue (76%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1727, 0.1938, 0.2176 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 20.1727, 0.1938, 0.2176 by changing the saturation by 10% instead.

■ 20.1727, 0.1938,
0.2176

■ 20.1727, 0.1938,
0.2176

■ 252.8485, 0.2574,
0.2784

■ 12.5206, 0.1772,
0.2013

■ 43.7065, 0.2176,
0.2407

■ 7.0993, 0.1560,
0.1800

■ 60.3571, 0.2263,
0.2491

■ 3.5243, 0.1282,
0.1516

■ 80.7760, 0.2337,
0.2561

■ 1.4112, 0.0918,
0.1134

■ 105.3475, 0.2399,
0.2620

■ 0.2249, 0.0110,
0.0409

■ 134.4562, 0.2452,
0.2670

■ 0.0000, 0.0000,
0.0000

■ 168.4863, 0.2498,

0.2713

207.8223, 0.2538,
0.2751

■ 20.1727, 0.1938,
0.2176

■ 20.1727, 0.1938,
0.2176

■ 20.1567, 0.1938,
0.2175

■ 22.0914, 0.1991,
0.2299

■ 24.2628, 0.2061,
0.2424

■ 26.7399, 0.2152,
0.2549

■ 29.5508, 0.2261,
0.2673

■ 32.7195, 0.2386,
0.2793

■ 36.2672, 0.2524,
0.2908

■ 40.2132, 0.2670,
0.3016

■ 44.5751, 0.2822,
0.3116

■ 49.3694, 0.2976,
0.3208

Harmonies

Analogous

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



20.1727, 0.1793, 0.2499



20.1727, 0.1938, 0.2176



20.1727, 0.2361, 0.2132

Triad

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



20.1727, 0.1938, 0.2176



20.1727, 0.4466, 0.3227



20.1727, 0.3060, 0.4598

Complementary

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



20.1727, 0.1938, 0.2176



15.2850, 0.5894, 0.3701

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.



20.1727, 0.3796, 0.4692



20.1727, 0.1938, 0.2176



20.1727, 0.4664, 0.3795

Square

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



20.1727, 0.1938, 0.2176



20.1727, 0.3836, 0.2711



20.1727, 0.4393, 0.4337



20.1727, 0.2381, 0.3962

Rectangle

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



20.1727, 0.1938, 0.2176



20.1727, 0.2789, 0.2236



20.1727, 0.4393, 0.4337



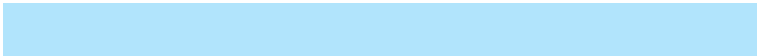
20.1727, 0.3309, 0.4694

Sweetspot

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



20.1733, 0.1938, 0.2176



71.6241, 0.2662, 0.3010



39.3703, 0.2878, 0.5560



15.0036, 0.2598, 0.2965



0.0000, 0.0000, 0.0000



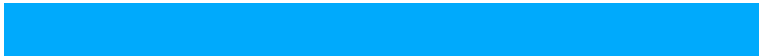
21.4041, 0.3127, 0.3290

Same Dimension

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



20.1733, 0.1938, 0.2176



35.6323, 0.1932, 0.2157



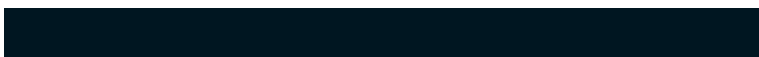
5.1957, 0.1547, 0.0767



10.8528, 0.2984, 0.3213



13.2620, 0.1942, 0.2192



0.6945, 0.2018, 0.2465

Inverse Universe

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



13.2425, 0.4258, 0.2120



23.6643, 0.4279, 0.2131



36.4892, 0.4560, 0.4761



10.1894, 0.3187, 0.3137



8.6210, 0.4241, 0.2110



0.3848, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 20.1727, 0.1938, 0.2176 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 20.1727, 0.1938, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

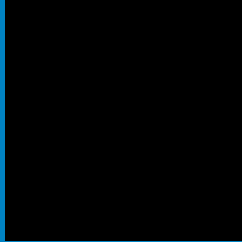
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1727, 0.1938, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 20.1727, 0.1938, 0.2176.

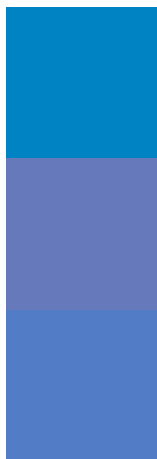


This preview shows how white text looks on a background with the Yxy color 20.1727, 0.1938, 0.2176.

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

20.1727, 0.1938, 0.2176

Protanopia

20.0293, 0.2328, 0.2202

Deuteranopia

20.2404, 0.2149, 0.2094



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

20.1727, 0.1938, 0.2176



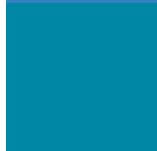
Protanomaly

19.4749, 0.2089, 0.2171



Deuteranomaly

19.8943, 0.2020, 0.2118



Tritanomaly

20.0083, 0.2089, 0.2720

Monochromacy



Original Color

20.1727, 0.1938, 0.2176



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.1469, 0.2368, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1727, 0.1938, 0.2176 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 195) }
```

Border

The CSS property to change the border of an element to Yxy 20.1727, 0.1938, 0.2176 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, 195) }
```

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

```
.border{ border-color:rgb(0, 131, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1727, 0.1938, 0.2176 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, 195) }
```

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

```
.background{ background-color: rgb(0, 131,  
195) }
```

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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