

Converting Colors

$Yxy(20.0850, 0.1931, 0.2220)$

Have a look what the booklet for
Yxy(20.0850, 0.1931, 0.2220)
contains.

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Color

$\text{Yxy}(20.3083, 0.1954, 0.2233)$

Conversions

Conversions Part 1

Format	Color
Hex	0084C0
RGB	0, 132, 192
RGB Percent	0%, 52%, 75%
CMY	0.9986, 0.4824, 0.2470
CMYK	1.00, 0.31, 0.00, 0.25
HSL	199°, 100%, 38%
HSV	199°, 100%, 75%
XYZ	17.7709, 20.3083, 52.8671
YIQ	99.3720, -97.9320, -9.3240

Conversions

Conversions Part 2

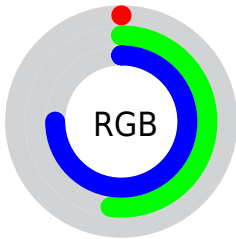
Format	Color
RYB	0, 78, 192
Decimal	33984
CIELab	52.18, -7.99, -39.64
CIELCh	52, 40.433, 258.605
Yxy	20.3083, 0.1954, 0.2233
Android (android.graphics.Color)	4278224064 (0xFF0084C0)
YUV	99.3720, 45.6656, -87.1492
Hunter-Lab	45.0647, -8.4733, -38.0099

Details

The Yxy color **20.3083, 0.1954, 0.2233** 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 **14.4841, 0.5929, 0.3672**, and the grayscale version is **12.5050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0243, 0.2190, 0.2455**, and **8.0215, 0.1878, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **20.2760, 0.1953, 0.2231**, and if you desaturate by 10%, it is **22.1294, 0.2005, 0.2350**.

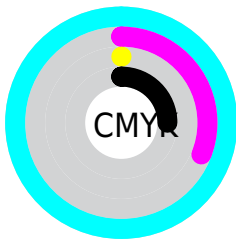
Distribution



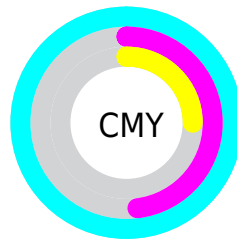
- Red (0%)
- Green (52%)
- Blue (75%)



- Red (0%)
- Yellow (31%)
- Blue (75%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (48%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3083, 0.1954, 0.2233 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 20.3083, 0.1954, 0.2233 by changing the saturation by 10% instead.

■ 20.3083, 0.1954,
0.2233

■ 20.3083, 0.1954,
0.2233

■ 253.5793, 0.2582,
0.2814

■ 12.6193, 0.1790,
0.2075

■ 43.9335, 0.2189,
0.2455

■ 7.1670, 0.1578,
0.1868

■ 60.6385, 0.2276,
0.2535

■ 3.5667, 0.1300,
0.1588

■ 81.1176, 0.2348,
0.2602

■ 1.4343, 0.0935,
0.1206

■ 105.7553, 0.2409,
0.2658

■ 0.2418, 0.0068,
0.0470

■ 134.9359, 0.2462,
0.2706

■ 0.0000, 0.0000,
0.0000

■ 169.0438, 0.2507,

0.2747

208.4635, 0.2547,
0.2783

■ 20.3083, 0.1954,
0.2233

■ 20.3083, 0.1954,
0.2233

■ 20.2760, 0.1953,
0.2231

■ 22.1294, 0.2005,
0.2350

■ 24.1861, 0.2074,
0.2468

■ 26.5292, 0.2162,
0.2587

■ 29.1853, 0.2270,
0.2705

■ 32.1773, 0.2393,
0.2819

■ 35.5254, 0.2529,
0.2928

■ 39.2479, 0.2674,
0.3030

■ 43.3616, 0.2824,
0.3126

■ 47.8822, 0.2977,
0.3213

Harmonies

Analogous

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



20.3083, 0.1839, 0.2576



20.3083, 0.1954, 0.2233



20.3083, 0.2340, 0.2165

Triad

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



20.3083, 0.1954, 0.2233



20.3083, 0.4371, 0.3184



20.3083, 0.3134, 0.4571

Complementary

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



20.3083, 0.1954, 0.2233



14.4841, 0.5929, 0.3672

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.



20.3083, 0.3839, 0.4621



20.3083, 0.1954, 0.2233



20.3083, 0.4607, 0.3733

Square

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



20.3083, 0.1954, 0.2233



20.3083, 0.3739, 0.2691



20.3083, 0.4389, 0.4260



20.3083, 0.2465, 0.4005

Rectangle

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



20.3083, 0.1954, 0.2233



20.3083, 0.2740, 0.2252



20.3083, 0.4389, 0.4260



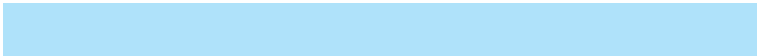
20.3083, 0.3374, 0.4647

Sweetspot

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



20.3090, 0.1954, 0.2233



70.6214, 0.2664, 0.3024



38.0170, 0.2888, 0.5597



14.5218, 0.2601, 0.2981



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.3090, 0.1954, 0.2233



36.2575, 0.1948, 0.2213



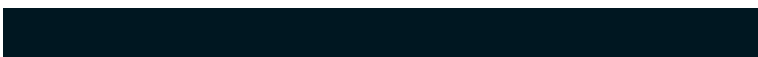
5.2402, 0.1555, 0.0796



10.8789, 0.2984, 0.3216



13.7838, 0.1957, 0.2246



0.7142, 0.2030, 0.2506

Inverse Universe

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



12.8833, 0.4197, 0.2087



23.2696, 0.4219, 0.2098



34.2206, 0.4597, 0.4731



10.1921, 0.3184, 0.3133



8.6737, 0.4184, 0.2078



0.3867, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 20.3083, 0.1954, 0.2233 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 20.3083, 0.1954, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

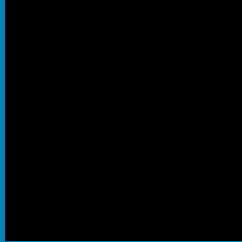
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3083, 0.1954, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 20.3083, 0.1954, 0.2233.



This preview shows how white text looks on a background with the Yxy color 20.3083, 0.1954, 0.2233.

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

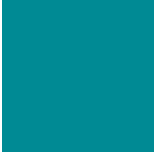
20.3083, 0.1954, 0.2233

Protanopia

20.2215, 0.2373, 0.2274

Deuteranopia

20.3366, 0.2196, 0.2139



Tritanopia

20.3151, 0.2189, 0.3081

Trichromacy



Original Color

20.3083, 0.1954, 0.2233



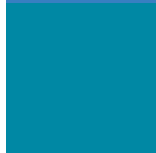
Protanomaly

19.6251, 0.2123, 0.2244



Deuteranomaly

19.8412, 0.2044, 0.2158



Tritanomaly

20.2887, 0.2095, 0.2741

Monochromacy



Original Color

20.3083, 0.1954, 0.2233



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.1191, 0.2376, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3083, 0.1954, 0.2233 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 192) }
```

Border

The CSS property to change the border of an element to Yxy 20.3083, 0.1954, 0.2233 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, 192) }
```

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

```
.border{ border-color:rgb(0, 132, 192) }
```

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, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3083, 0.1954, 0.2233 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, 192) }
```

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

```
.background{ background-color: rgb(0, 132,  
192) }
```

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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