

Converting Colors

$Yxy(15.3968, 0.1029, 0.2008)$

Have a look what the booklet for
Yxy(15.3968, 0.1029, 0.2008)
contains.

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Color

Yxy(20.6701, 0.1952, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	0085C2
RGB	0, 133, 194
RGB Percent	0%, 52%, 76%
CMY	0.9988, 0.4784, 0.2393
CMYK	1.00, 0.31, 0.00, 0.24
HSL	199°, 100%, 38%
HSV	199°, 100%, 76%
XYZ	18.1258, 20.6701, 54.0617
YIQ	100.1870, -98.8490, -9.2250

Conversions

Conversions Part 2

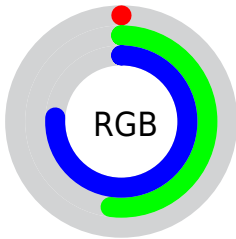
Format	Color
RYB	0, 79, 194
Decimal	34242
CIELab	52.59, -7.83, -40.12
CIELCh	53, 40.875, 258.953
Yxy	20.6701, 0.1952, 0.2226
Android (android.graphics.Color)	4278224322 (0xFF0085C2)
YUV	100.1870, 46.2498, -87.8640
Hunter-Lab	45.4644, -8.3980, -38.6767

Details

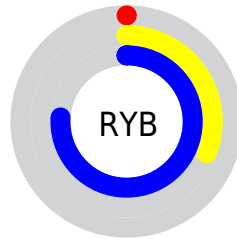
The Yxy color **20.6701, 0.1952, 0.2226** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **14.8357, 0.5927, 0.3674**, and the grayscale version is **12.7165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5696, 0.2185, 0.2447**, and **8.2341, 0.1876, 0.1955** is the 20% darker color. If you saturate the color by 10%, you get **20.6426, 0.1951, 0.2224**, and if you desaturate by 10%, it is **22.5358, 0.2003, 0.2343**.

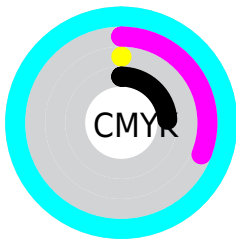
Distribution



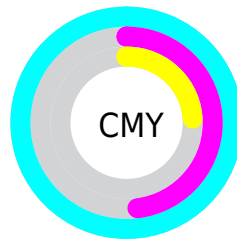
- Red (0%)
- Green (52%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6701, 0.1952, 0.2226 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 20.6701, 0.1952, 0.2226 by changing the saturation by 10% instead.

■ 20.6701, 0.1952,
0.2226

■ 20.6701, 0.1952,
0.2226

■ 255.5200, 0.2579,
0.2809

■ 12.8831, 0.1789,
0.2069

■ 44.5378, 0.2186,
0.2448

■ 7.3481, 0.1579,
0.1862

■ 61.3873, 0.2273,
0.2528

■ 3.6807, 0.1304,
0.1585

■ 82.0265, 0.2345,
0.2595

■ 1.4966, 0.0943,
0.1208

■ 106.8396, 0.2406,
0.2652

■ 0.2863, 0.0148,
0.0522

■ 136.2111, 0.2459,
0.2700

■ 0.0000, 0.0000,
0.0000

■ 170.5254, 0.2504,

0.2741

210.1669, 0.2544,
0.2777

■ 20.6701, 0.1952,
0.2226

■ 20.6701, 0.1952,
0.2226

■ 20.6426, 0.1951,
0.2224

■ 22.5358, 0.2003,
0.2343

■ 24.6438, 0.2072,
0.2463

■ 27.0457, 0.2161,
0.2582

■ 29.7692, 0.2268,
0.2701

■ 32.8375, 0.2391,
0.2816

■ 36.2716, 0.2528,
0.2925

■ 40.0901, 0.2673,
0.3029

■ 44.3103, 0.2824,
0.3124

■ 48.9483, 0.2977,
0.3212

Harmonies

Analogous

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



20.6701, 0.1834, 0.2567



20.6701, 0.1952, 0.2226



20.6701, 0.2343, 0.2161

Triad

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



20.6701, 0.1952, 0.2226



20.6701, 0.4382, 0.3189



20.6701, 0.3125, 0.4575

Complementary

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



20.6701, 0.1952, 0.2226



14.8357, 0.5927, 0.3674

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.



20.6701, 0.3834, 0.4629



20.6701, 0.1952, 0.2226



20.6701, 0.4614, 0.3740

Square

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



20.6701, 0.1952, 0.2226



20.6701, 0.3751, 0.2694



20.6701, 0.4389, 0.4270



20.6701, 0.2455, 0.4000

Rectangle

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



20.6701, 0.1952, 0.2226



20.6701, 0.2746, 0.2250



20.6701, 0.4389, 0.4270



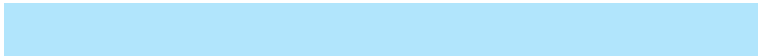
20.6701, 0.3367, 0.4653

Sweetspot

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



20.6708, 0.1952, 0.2226



72.1899, 0.2663, 0.3022



38.8867, 0.2889, 0.5599



15.1422, 0.2600, 0.2979



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.



20.6708, 0.1952, 0.2226



36.9292, 0.1946, 0.2206



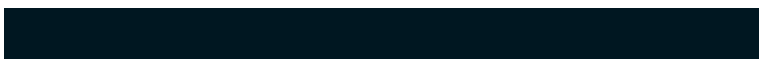
5.3498, 0.1555, 0.0795



10.8761, 0.2984, 0.3216



13.7271, 0.1956, 0.2240



0.7121, 0.2028, 0.2502

Inverse Universe

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



13.1668, 0.4204, 0.2091



23.7952, 0.4226, 0.2102



34.9920, 0.4597, 0.4731



10.1918, 0.3185, 0.3134



8.6680, 0.4190, 0.2082



0.3865, 0.3921, 0.1933

Previews

White Background



This preview shows how the Yxy color 20.6701, 0.1952, 0.2226 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 20.6701, 0.1952, 0.2226 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 20.6701, 0.1952, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 20.6701, 0.1952, 0.2226.



This preview shows how white text looks on a background with the Yxy color 20.6701, 0.1952, 0.2226.

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

20.6701, 0.1952, 0.2226

Protanopia

20.6118, 0.2371, 0.2267

Deuteranopia

20.6790, 0.2188, 0.2132



Tritanopia

20.6352, 0.2190, 0.3083

Trichromacy



Original Color

20.6701, 0.1952, 0.2226

Protanomaly

19.9678, 0.2118, 0.2236

Deuteranomaly

20.1907, 0.2040, 0.2151

Tritanomaly

20.6079, 0.2096, 0.2744

Monochromacy



Original Color

20.6701, 0.1952, 0.2226

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3996, 0.2380, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6701, 0.1952, 0.2226 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 194) }
```

Border

The CSS property to change the border of an element to Yxy 20.6701, 0.1952, 0.2226 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, 194) }
```

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

```
.border{ border-color:rgb(0, 133, 194) }
```

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, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6701, 0.1952, 0.2226 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, 194) }
```

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

```
.background{ background-color: rgb(0, 133,  
194) }
```

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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