

Converting Colors

$Yxy(19.4713, 0.1848, 0.2232)$

Have a look what the booklet for
Yxy(19.4713, 0.1848, 0.2232)
contains.

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Color

$Y_{xy}(20.2202, 0.1961, 0.2260)$

Conversions

Conversions Part 1

Format	Color
Hex	0084BE
RGB	0, 132, 190
RGB Percent	0%, 52%, 75%
CMY	1.0000, 0.4823, 0.2548
CMYK	1.00, 0.31, 0.00, 0.25
HSL	198°, 100%, 37%
HSV	198°, 100%, 75%
XYZ	17.5450, 20.2202, 51.7047
YIQ	99.1440, -97.2900, -9.9460

Conversions

Conversions Part 2

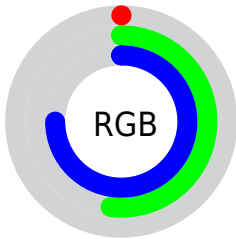
Format	Color
RYB	0, 78, 190
Decimal	33982
CIELab	52.09, -8.78, -38.65
CIELCh	52, 39.630, 257.202
Yxy	20.2202, 0.1961, 0.2260
Android (android.graphics.Color)	4278224062 (0xFF0084BE)
YUV	99.1440, 44.7920, -86.9493
Hunter-Lab	44.9669, -9.0454, -36.6971

Details

The Yxy color **20.2202, 0.1961, 0.2260** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **13.9776, 0.5952, 0.3656**, and the grayscale version is **12.4201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8462, 0.2194, 0.2476**, and **7.9641, 0.1887, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **20.2221, 0.1961, 0.2260**, and if you desaturate by 10%, it is **21.9782, 0.2012, 0.2374**.

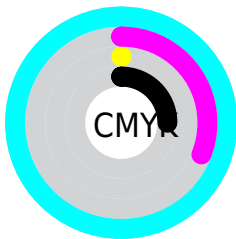
Distribution



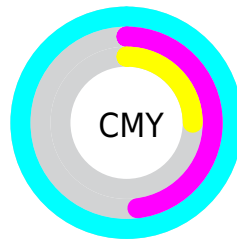
- Red (0%)
- Green (52%)
- Blue (75%)



- 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 20.2202, 0.1961, 0.2260 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 20.2202, 0.1961, 0.2260 by changing the saturation by 10% instead.

■ 20.2202, 0.1961,
0.2260

■ 20.2202, 0.1961,
0.2260

■ 253.1047, 0.2586,
0.2829

■ 12.5552, 0.1797,
0.2104

■ 43.7861, 0.2196,
0.2478

■ 7.1230, 0.1585,
0.1899

■ 60.4557, 0.2282,
0.2557

■ 3.5391, 0.1306,
0.1621

■ 80.8957, 0.2354,
0.2622

■ 1.4193, 0.0938,
0.1236

■ 105.4905, 0.2415,
0.2677

■ 0.2309, 0.0010,
0.0474

■ 134.6243, 0.2467,
0.2723

■ 0.0000, 0.0000,
0.0000

■ 168.6817, 0.2512,

0.2763

208.0471, 0.2551,
0.2798

■ 20.2202, 0.1961,
0.2260

■ 20.2202, 0.1961,
0.2260

■ 20.2221, 0.1961,
0.2260

■ 21.9782, 0.2012,
0.2374

■ 23.9584, 0.2079,
0.2489

■ 26.2131, 0.2166,
0.2604

■ 28.7682, 0.2271,
0.2719

■ 31.6460, 0.2393,
0.2830

■ 34.8661, 0.2528,
0.2936

■ 38.4462, 0.2672,
0.3036

■ 42.4026, 0.2822,
0.3128

■ 46.7505, 0.2975,
0.3213

Harmonies

Analogous

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



20.2202, 0.1861, 0.2613



20.2202, 0.1961, 0.2260



20.2202, 0.2330, 0.2180

Triad

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



20.2202, 0.1961, 0.2260



20.2202, 0.4326, 0.3163



20.2202, 0.3169, 0.4559

Complementary

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



20.2202, 0.1961, 0.2260



13.9776, 0.5952, 0.3656

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.



20.2202, 0.3859, 0.4588



20.2202, 0.1961, 0.2260



20.2202, 0.4580, 0.3703

Square

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



20.2202, 0.1961, 0.2260



20.2202, 0.3694, 0.2681



20.2202, 0.4387, 0.4225



20.2202, 0.2504, 0.4025

Rectangle

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



20.2202, 0.1961, 0.2260



20.2202, 0.2717, 0.2259



20.2202, 0.4387, 0.4225



20.2202, 0.3406, 0.4626

Sweetspot

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



20.2221, 0.1961, 0.2260



69.3228, 0.2665, 0.3031



37.1312, 0.2889, 0.5599



14.5996, 0.2603, 0.2989



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.



20.2221, 0.1961, 0.2260



36.1772, 0.1956, 0.2242



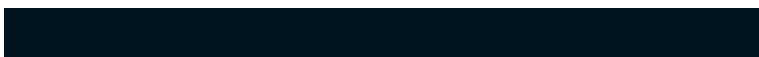
5.1051, 0.1554, 0.0794



10.3044, 0.2985, 0.3218



13.5871, 0.1965, 0.2275



0.6427, 0.2041, 0.2547

Inverse Universe

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



12.6158, 0.4168, 0.2070



22.8099, 0.4187, 0.2080



33.4116, 0.4598, 0.4731



9.6453, 0.3183, 0.3132



8.4013, 0.4153, 0.2061



0.3402, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 20.2202, 0.1961, 0.2260 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 20.2202, 0.1961, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

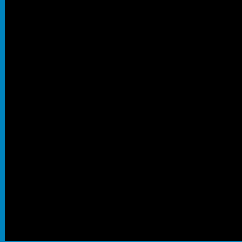
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2202, 0.1961, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 20.2202, 0.1961, 0.2260.

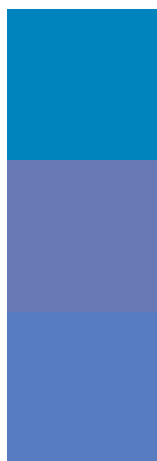


This preview shows how white text looks on a background with the Yxy color 20.2202, 0.1961, 0.2260.

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

20.2202, 0.1961, 0.2260

Protanopia

20.1983, 0.2395, 0.2303

Deuteranopia

20.2958, 0.2213, 0.2165



Tritanopia

20.3151, 0.2189, 0.3081

Trichromacy



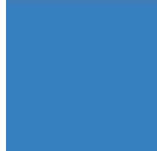
Original Color

20.2202, 0.1961, 0.2260



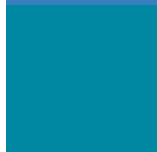
Protanomaly

19.5407, 0.2134, 0.2271



Deuteranomaly

19.7811, 0.2057, 0.2185



Tritanomaly

20.2527, 0.2100, 0.2759

Monochromacy



Original Color

20.2202, 0.1961, 0.2260



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.0916, 0.2384, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2202, 0.1961, 0.2260 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 190) }
```

Border

The CSS property to change the border of an element to Yxy 20.2202, 0.1961, 0.2260 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, 190) }
```

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

```
.border{ border-color:rgb(0, 132, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2202, 0.1961, 0.2260 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, 190) }
```

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

```
.background{ background-color: rgb(0, 132,  
190) }
```

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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