

Converting Colors

$Yxy(17.0897, 0.1338, 0.2383)$

Have a look what the booklet for
Yxy(17.0897, 0.1338, 0.2383)
contains.

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Color

$\text{Yxy}(20.8227, 0.2031, 0.2511)$

Conversions

Conversions Part 1

Format	Color
Hex	0088B2
RGB	0, 136, 178
RGB Percent	0%, 53%, 70%
CMY	0.9996, 0.4667, 0.3019
CMYK	1.00, 0.24, 0.00, 0.30
HSL	194°, 100%, 35%
HSV	194°, 100%, 70%
XYZ	16.8423, 20.8227, 45.2610
YIQ	100.1240, -94.5380, -15.7700

Conversions

Conversions Part 2

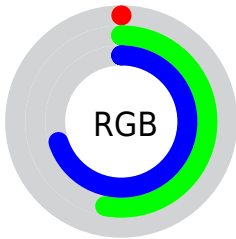
Format	Color
RYB	0, 77, 178
Decimal	34994
CIELab	52.75, -15.52, -30.72
CIELCh	53, 34.417, 243.199
Yxy	20.8227, 0.2031, 0.2511
Android (android.graphics.Color)	4278225074 (0xFF0088B2)
YUV	100.1240, 38.3929, -87.8087
Hunter-Lab	45.6319, -13.9733, -26.8657

Details

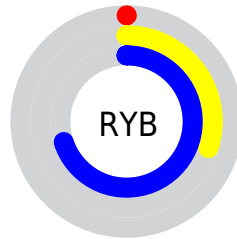
The Yxy color **20.8227, 0.2031, 0.2511** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.1327, 0.6100, 0.3537**, and the grayscale version is **12.7043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6629, 0.2253, 0.2679**, and **8.1362, 0.1965, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **20.8156, 0.2031, 0.2511**, and if you desaturate by 10%, it is **22.1582, 0.2074, 0.2597**.

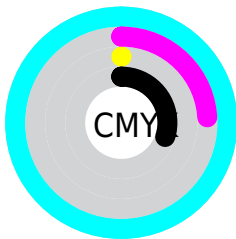
Distribution



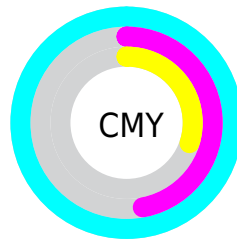
- Red (0%)
- Green (53%)
- Blue (70%)



- Red (0%)
- Yellow (30%)
- Blue (70%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8227, 0.2031, 0.2511 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 20.8227, 0.2031, 0.2511 by changing the saturation by 10% instead.

■ 20.8227, 0.2031,
0.2511

■ 20.8227, 0.2031,
0.2511

■ 256.3347, 0.2621,
0.2954

■ 12.9945, 0.1874,
0.2383

■ 44.7923, 0.2254,
0.2685

■ 7.4247, 0.1668,
0.2209

■ 61.7024, 0.2335,
0.2746

■ 3.7291, 0.1392,
0.1962

■ 82.4086, 0.2403,
0.2797

■ 1.5232, 0.1016,
0.1597

■ 107.2953, 0.2460,
0.2839

■ 0.3050, 0.0000,
0.0820

■ 136.7469, 0.2509,
0.2874

■ 0.0000, 0.0000,
0.0000

■ 171.1477, 0.2551,

0.2905

210.8822, 0.2588,
0.2931

■ 20.8227, 0.2031,
0.2511

■ 20.8227, 0.2031,
0.2511

■ 20.8156, 0.2031,
0.2511

■ 22.1582, 0.2074,
0.2597

■ 23.6550, 0.2132,
0.2683

■ 25.3582, 0.2209,
0.2770

■ 27.2891, 0.2305,
0.2856

■ 29.4659, 0.2417,
0.2940

■ 31.9047, 0.2544,
0.3020

■ 34.6200, 0.2681,
0.3096

■ 37.6252, 0.2827,
0.3166

■ 40.9326, 0.2976,
0.3231

Harmonies

Analogous

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



20.8227, 0.2061, 0.2946



20.8227, 0.2031, 0.2511



20.8227, 0.2251, 0.2322

Triad

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



20.8227, 0.2031, 0.2511



20.8227, 0.3934, 0.2978



20.8227, 0.3464, 0.4439

Complementary

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



20.8227, 0.2031, 0.2511



11.1327, 0.6100, 0.3537

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.



20.8227, 0.4014, 0.4307



20.8227, 0.2031, 0.2511



20.8227, 0.4324, 0.3445

Square

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



20.8227, 0.2031, 0.2511



20.8227, 0.3317, 0.2596



20.8227, 0.4343, 0.3921



20.8227, 0.2853, 0.4168

Rectangle

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



20.8227, 0.2031, 0.2511



20.8227, 0.2527, 0.2325



20.8227, 0.4343, 0.3921



20.8227, 0.3663, 0.4435

Sweetspot

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



20.8234, 0.2031, 0.2511



62.4667, 0.2673, 0.3091



32.0138, 0.2926, 0.5735



13.3737, 0.2615, 0.3060



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.8234, 0.2031, 0.2511



37.3685, 0.2027, 0.2496



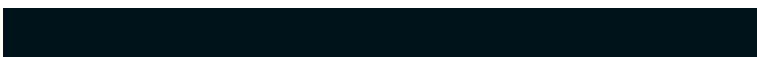
5.2931, 0.1591, 0.0928



9.2845, 0.2986, 0.3235



14.9903, 0.2034, 0.2520



0.5544, 0.2100, 0.2759

Inverse Universe

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



11.2471, 0.3911, 0.1929



20.3481, 0.3926, 0.1936



25.5866, 0.4756, 0.4605



8.6117, 0.3172, 0.3118



8.0534, 0.3902, 0.1923



0.2617, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 20.8227, 0.2031, 0.2511 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 20.8227, 0.2031, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

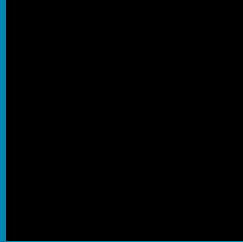
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8227, 0.2031, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 20.8227, 0.2031, 0.2511.

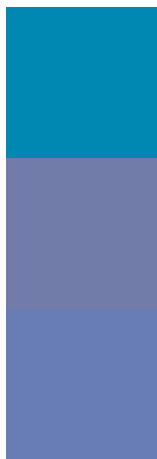


This preview shows how white text looks on a background with the Yxy color 20.8227, 0.2031, 0.2511.

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

20.8227, 0.2031, 0.2511

Protanopia

20.7906, 0.2570, 0.2523

Deuteranopia

20.6946, 0.2401, 0.2337



Tritanopia

20.6672, 0.2184, 0.3063

Trichromacy



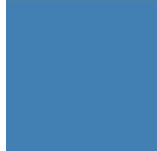
Original Color

20.8227, 0.2031, 0.2511



Protanomaly

19.7946, 0.2243, 0.2489



Deuteranomaly

19.8919, 0.2163, 0.2364



Tritanomaly

20.7150, 0.2126, 0.2854

Monochromacy



Original Color

20.8227, 0.2031, 0.2511



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.4588, 0.2434, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8227, 0.2031, 0.2511 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, 136, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 178)  
}
```

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, 136, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 178) }
```

Border

The CSS property to change the border of an element to Yxy 20.8227, 0.2031, 0.2511 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, 136, 178) }
```

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

```
.border{ border-color:rgb(0, 136, 178) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8227, 0.2031, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 178) }
```

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

```
.background{ background-color: rgb(0, 136,  
178) }
```

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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