

Converting Colors

$Yxy(22.1553, 0.1861, 0.2498)$

Have a look what the booklet for
Yxy(22.1553, 0.1861, 0.2498)
contains.

Yxy(23.1901, 0.2035, 0.2526)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(23.1901, 0.2035, 0.2526)$

Conversions

Conversions Part 1

Format	Color
Hex	008FBA
RGB	0, 143, 186
RGB Percent	0%, 56%, 73%
CMY	1.0000, 0.4392, 0.2707
CMYK	1.00, 0.23, 0.00, 0.27
HSL	194°, 100%, 36%
HSV	194°, 100%, 73%
XYZ	18.6824, 23.1901, 49.9331
YIQ	105.1450, -99.0310, -16.9430

Conversions

Conversions Part 2

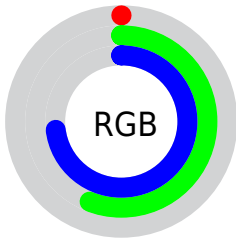
Format	Color
RYB	0, 81, 186
Decimal	36794
CIELab	55.27, -16.47, -31.36
CIELCh	55, 35.420, 242.286
Yxy	23.1901, 0.2035, 0.2526
Android (android.graphics.Color)	4278226874 (0xFF008FBA)
YUV	105.1450, 39.8615, -92.2122
Hunter-Lab	48.1561, -15.0230, -27.7686

Details

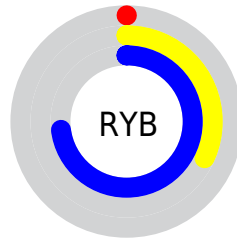
The Yxy color **23.1901, 0.2035, 0.2526** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.1620, 0.6117, 0.3525**, and the grayscale version is **14.0785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7762, 0.2252, 0.2698**, and **9.5222, 0.1974, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **23.1913, 0.2035, 0.2526**, and if you desaturate by 10%, it is **24.6409, 0.2076, 0.2610**.

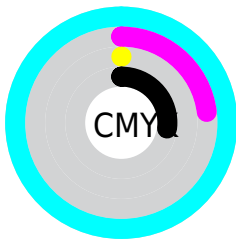
Distribution



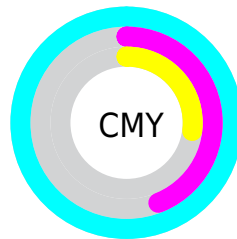
- Red (0%)
- Green (56%)
- Blue (73%)



- Red (0%)
- Yellow (32%)
- Blue (73%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (44%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1901, 0.2035, 0.2526 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 23.1901, 0.2035, 0.2526 by changing the saturation by 10% instead.


 23.1901, 0.2035,
0.2526


 23.1901, 0.2035,
0.2526


 268.6999, 0.2613,
0.2954


 14.7339, 0.1884,
0.2405


 48.7053, 0.2251,
0.2692


 8.6329, 0.1689,
0.2242


 66.5331, 0.2330,
0.2752


 4.5025, 0.1430,
0.2014

 88.2536, 0.2397,
0.2801

 1.9584, 0.1080,
0.1680

 114.2511, 0.2453,
0.2842

 0.5832, 0.0303,
0.1162

 144.9101, 0.2502,
0.2876

 0.0000, 0.0000,
0.0000

 180.6150, 0.2544,

0.2906

221.7501, 0.2581,
0.2932

■ 23.1901, 0.2035,
0.2526

■ 23.1901, 0.2035,
0.2526

■ 23.1913, 0.2035,
0.2526

■ 24.6409, 0.2076,
0.2610

■ 26.2685, 0.2133,
0.2695

■ 28.1219, 0.2209,
0.2780

■ 30.2251, 0.2304,
0.2864

■ 32.5984, 0.2416,
0.2946

■ 35.2597, 0.2542,
0.3024

■ 38.2251, 0.2680,
0.3099

■ 41.5095, 0.2825,
0.3168

■ 45.1265, 0.2975,
0.3232

Harmonies

Analogous

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



23.1901, 0.2072, 0.2966



23.1901, 0.2035, 0.2526



23.1901, 0.2246, 0.2331

Triad

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



23.1901, 0.2035, 0.2526



23.1901, 0.3912, 0.2967



23.1901, 0.3481, 0.4432

Complementary

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



23.1901, 0.2035, 0.2526



12.1620, 0.6117, 0.3525

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.



23.1901, 0.4023, 0.4291



23.1901, 0.2035, 0.2526



23.1901, 0.4309, 0.3430

Square

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



23.1901, 0.2035, 0.2526



23.1901, 0.3296, 0.2590



23.1901, 0.4340, 0.3904



23.1901, 0.2873, 0.4175

Rectangle

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



23.1901, 0.2035, 0.2526



23.1901, 0.2517, 0.2329



23.1901, 0.4340, 0.3904



23.1901, 0.3677, 0.4424

Sweetspot

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



23.1913, 0.2035, 0.2526



69.0231, 0.2673, 0.3095



35.2637, 0.2937, 0.5771



14.6857, 0.2613, 0.3064



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.1913, 0.2035, 0.2526



41.6607, 0.2031, 0.2513



6.0626, 0.1600, 0.0958



9.8493, 0.2985, 0.3236



15.7244, 0.2038, 0.2537



0.6416, 0.2098, 0.2753

Inverse Universe

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



12.4197, 0.3896, 0.1920



22.4785, 0.3910, 0.1928



27.2893, 0.4801, 0.4570



9.1263, 0.3172, 0.3116



8.3697, 0.3886, 0.1914



0.3039, 0.3678, 0.1800

Previews

White Background



This preview shows how the Yxy color 23.1901, 0.2035, 0.2526 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 23.1901, 0.2035, 0.2526 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 23.1901, 0.2035, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 23.1901, 0.2035, 0.2526.

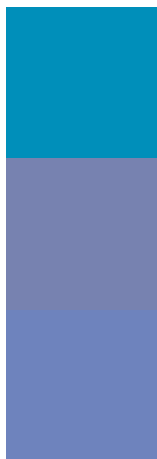


This preview shows how white text looks on a background with the Yxy color 23.1901, 0.2035, 0.2526.

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

23.1901, 0.2035, 0.2526

Protanopia

23.0218, 0.2582, 0.2537

Deuteranopia

23.2217, 0.2414, 0.2362



Tritanopia

23.3361, 0.2187, 0.3074

Trichromacy



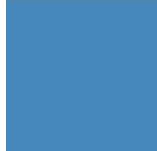
Original Color

23.1901, 0.2035, 0.2526



Protanomaly

22.1597, 0.2248, 0.2505



Deuteranomaly

22.2609, 0.2171, 0.2385



Tritanomaly

23.3849, 0.2132, 0.2874

Monochromacy



Original Color

23.1901, 0.2035, 0.2526



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.1082, 0.2434, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1901, 0.2035, 0.2526 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, 143, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 186)  
}
```

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, 143, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 186) }
```

Border

The CSS property to change the border of an element to Yxy 23.1901, 0.2035, 0.2526 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, 143, 186) }
```

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

```
.border{ border-color:rgb(0, 143, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1901, 0.2035, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 186) }
```

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

```
.background{ background-color: rgb(0, 143,  
186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor