

Converting Colors

$Yxy(22.3986, 0.2033, 0.2517)$

Have a look what the booklet for
Yxy(22.3986, 0.2033, 0.2517)
contains.

Yxy(22.5104, 0.2033, 0.2517)	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

Yxy(22.5104, 0.2033, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	008DB8
RGB	0, 141, 184
RGB Percent	0%, 55%, 72%
CMY	0.9981, 0.4471, 0.2784
CMYK	1.00, 0.23, 0.00, 0.28
HSL	194°, 99%, 36%
HSV	194°, 100%, 72%
XYZ	18.1818, 22.5104, 48.7412
YIQ	103.7430, -97.8390, -16.5190

Conversions

Conversions Part 2

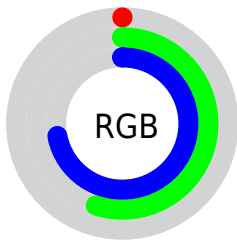
Format	Color
R_{YB}	0, 80, 184
Decimal	36280
CIE _{Lab}	54.56, -16.06, -31.33
CIE _{LCh}	55, 35.209, 242.859
Yxy	22.5104, 0.2033, 0.2517
Android (android.graphics.Color)	4278226360 (0xFF008DB8)
YUV	103.7430, 39.5667, -90.9826
Hunter-Lab	47.4451, -14.6246, -27.6981

Details

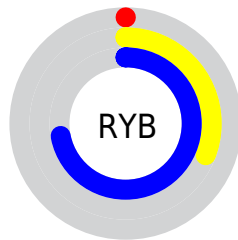
The Yxy color **22.5104, 0.2033, 0.2517** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.9579, 0.6103, 0.3533**, and the grayscale version is **13.7225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7544, 0.2254, 0.2694**, and **9.1209, 0.1970, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **22.4747, 0.2032, 0.2515**, and if you desaturate by 10%, it is **23.9423, 0.2075, 0.2602**.

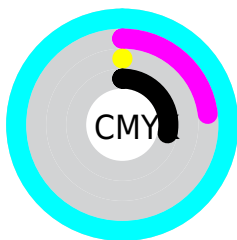
Distribution



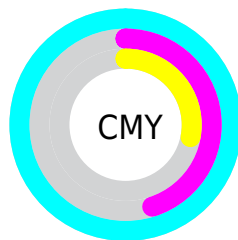
- Red (0%)
- Green (55%)
- Blue (72%)



- Red (0%)
- Yellow (31%)
- Blue (72%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (45%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5104, 0.2033, 0.2517 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 22.5104, 0.2033, 0.2517 by changing the saturation by 10% instead.

■ 22.5104, 0.2033,
0.2517

■ 22.5104, 0.2033,
0.2517

■ 265.2002, 0.2615,
0.2952

■ 14.2324, 0.1880,
0.2393

■ 47.5881, 0.2251,
0.2686

■ 8.2825, 0.1682,
0.2227

■ 65.1567, 0.2331,
0.2747

■ 4.2762, 0.1419,
0.1993

■ 86.5909, 0.2398,
0.2796

■ 1.8293, 0.1062,
0.1651

■ 112.2751, 0.2455,
0.2838

■ 0.5053, 0.0190,
0.1087

■ 142.5937, 0.2503,
0.2873

■ 0.0000, 0.0000,
0.0000

■ 177.9312, 0.2545,

0.2903

218.6719, 0.2582,
0.2929

■ 22.5104, 0.2033,
0.2517

■ 22.5104, 0.2033,
0.2517

■ 22.4747, 0.2032,
0.2515

■ 23.9423, 0.2075,
0.2602

■ 25.5506, 0.2133,
0.2688

■ 27.3815, 0.2210,
0.2775

■ 29.4579, 0.2306,
0.2860

■ 31.7997, 0.2419,
0.2943

■ 34.4243, 0.2546,
0.3023

■ 37.3474, 0.2683,
0.3098

■ 40.5834, 0.2829,
0.3168

■ 44.1457, 0.2979,
0.3233

Harmonies

Analogous

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



22.5104, 0.2065, 0.2954



22.5104, 0.2033, 0.2517



22.5104, 0.2249, 0.2326

Triad

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



22.5104, 0.2033, 0.2517



22.5104, 0.3925, 0.2974



22.5104, 0.3470, 0.4435

Complementary

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



22.5104, 0.2033, 0.2517



11.9579, 0.6103, 0.3533

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.



22.5104, 0.4017, 0.4300



22.5104, 0.2033, 0.2517



22.5104, 0.4318, 0.3439

Square

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



22.5104, 0.2033, 0.2517



22.5104, 0.3309, 0.2594



22.5104, 0.4341, 0.3914



22.5104, 0.2861, 0.4170

Rectangle

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



22.5104, 0.2033, 0.2517



22.5104, 0.2524, 0.2327



22.5104, 0.4341, 0.3914



22.5104, 0.3668, 0.4430

Sweetspot

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



22.5112, 0.2033, 0.2517



67.2666, 0.2672, 0.3092



34.4665, 0.2927, 0.5735



14.0128, 0.2614, 0.3061



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.5112, 0.2033, 0.2517



40.3507, 0.2028, 0.2501



5.6967, 0.1592, 0.0928



9.8441, 0.2985, 0.3235



15.5991, 0.2035, 0.2525



0.6380, 0.2096, 0.2745

Inverse Universe

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



12.1253, 0.3905, 0.1926



21.9129, 0.3921, 0.1934



27.5412, 0.4756, 0.4604



9.1257, 0.3172, 0.3117



8.3571, 0.3897, 0.1921



0.3035, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 22.5104, 0.2033, 0.2517 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 22.5104, 0.2033, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

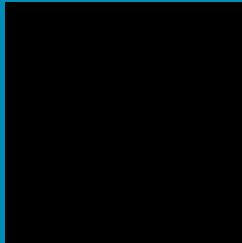
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5104, 0.2033, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 22.5104, 0.2033, 0.2517.

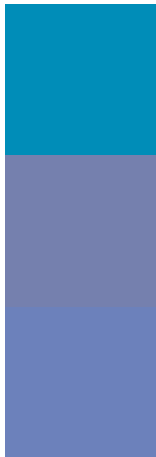


This preview shows how white text looks on a background with the Yxy color 22.5104, 0.2033, 0.2517.

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

22.5104, 0.2033, 0.2517

Protanopia

22.2762, 0.2576, 0.2528

Deuteranopia

22.4765, 0.2406, 0.2351



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



Original Color

22.5104, 0.2033, 0.2517

Protanomaly

21.4853, 0.2246, 0.2497

Deuteranomaly

21.5854, 0.2168, 0.2375

Tritanomaly

22.6997, 0.2130, 0.2869

Monochromacy



Original Color

22.5104, 0.2033, 0.2517

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.5743, 0.2426, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5104, 0.2033, 0.2517 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, 141, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 184)  
}
```

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, 141, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.5104, 0.2033, 0.2517 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, 141, 184) }
```

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

```
.border{ border-color:rgb(0, 141, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5104, 0.2033, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 184) }
```

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

```
.background{ background-color: rgb(0, 141,  
184) }
```

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