

Converting Colors

$Yxy(23.6594, 0.1942, 0.2756)$

Have a look what the booklet for
Yxy(23.6594, 0.1942, 0.2756)
contains.

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Color

Yxy(24.6692, 0.2106, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	0095B1
RGB	0, 149, 177
RGB Percent	0%, 58%, 69%
CMY	0.9983, 0.4157, 0.3058
CMYK	1.00, 0.16, 0.00, 0.31
HSL	190°, 100%, 35%
HSV	190°, 100%, 69%
XYZ	18.6883, 24.6692, 45.3807
YIQ	107.6410, -97.7920, -22.8800

Conversions

Conversions Part 2

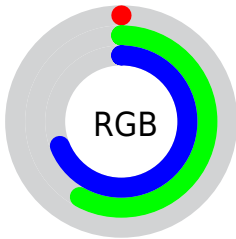
Format	Color
RYB	0, 81, 177
Decimal	38321
CIELab	56.75, -22.84, -23.96
CIELCh	57, 33.102, 226.372
Yxy	24.6692, 0.2106, 0.2780
Android (android.graphics.Color)	4278228401 (0xFF0095B1)
YUV	107.6410, 34.1940, -94.4012
Hunter-Lab	49.6681, -19.7563, -19.4043

Details

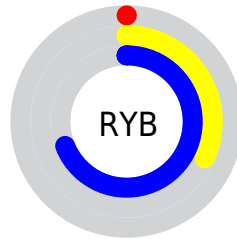
The Yxy color **24.6692, 0.2106, 0.2780** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.2022, 0.6236, 0.3427**, and the grayscale version is **14.8501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9747, 0.2306, 0.2889**, and **10.1906, 0.2063, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **24.6461, 0.2105, 0.2779**, and if you desaturate by 10%, it is **25.6968, 0.2139, 0.2836**.

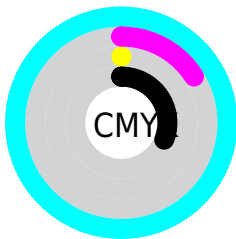
Distribution



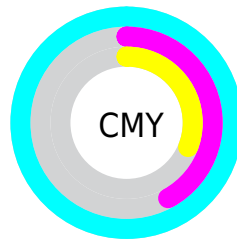
- Red (0%)
- Green (58%)
- Blue (69%)



- Red (0%)
- Yellow (32%)
- Blue (69%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6692, 0.2106, 0.2780 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 24.6692, 0.2106, 0.2780 by changing the saturation by 10% instead.

24.6692, 0.2106,
0.2780

24.6692, 0.2106,
0.2780

276.1865, 0.2646,
0.3074

15.8308, 0.1964,
0.2693

51.1201, 0.2308,
0.2897

9.4045, 0.1780,
0.2572

69.5013, 0.2382,
0.2938

5.0059, 0.1532,
0.2397

91.8322, 0.2444,
0.2971

2.2507, 0.1190,
0.2125

118.4973, 0.2497,
0.2999

0.7475, 0.0353,
0.1725

149.8808, 0.2542,
0.3022

0.0000, 0.0000,
0.0000

186.3673, 0.2581,

0.3042

228.3411, 0.2615,
0.3059

■ 24.6692, 0.2106,
0.2780

■ 24.6692, 0.2106,
0.2780

■ 24.6461, 0.2105,
0.2779

■ 25.6968, 0.2139,
0.2836

■ 26.8603, 0.2187,
0.2891

■ 28.2026, 0.2254,
0.2948

■ 29.7445, 0.2339,
0.3003

■ 31.5036, 0.2442,
0.3058

■ 33.4954, 0.2560,
0.3111

■ 35.7338, 0.2691,
0.3161

■ 38.2316, 0.2832,
0.3208

■ 41.0007, 0.2979,
0.3251

Harmonies

Analogous

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



24.6692, 0.2269, 0.3289



24.6692, 0.2106, 0.2780



24.6692, 0.2181, 0.2475

Triad

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



24.6692, 0.2106, 0.2780



24.6692, 0.3560, 0.2794



24.6692, 0.3739, 0.4307

Complementary

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



24.6692, 0.2106, 0.2780



10.2022, 0.6236, 0.3427

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.



24.6692, 0.4141, 0.4047



24.6692, 0.2106, 0.2780



24.6692, 0.4052, 0.3192

Square

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



24.6692, 0.2106, 0.2780



24.6692, 0.2976, 0.2510



24.6692, 0.4268, 0.3636



24.6692, 0.3194, 0.4265

Rectangle

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



24.6692, 0.2106, 0.2780



24.6692, 0.2358, 0.2396



24.6692, 0.4268, 0.3636



24.6692, 0.3896, 0.4247

Sweetspot

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



24.6701, 0.2106, 0.2780



63.6665, 0.2681, 0.3157



31.5329, 0.2964, 0.5868



13.4318, 0.2626, 0.3137



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.6701, 0.2106, 0.2780



43.8592, 0.2103, 0.2770



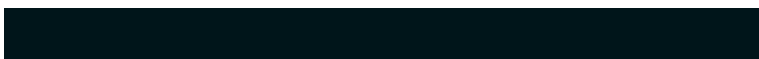
6.6483, 0.1649, 0.1133



9.3973, 0.2986, 0.3253



17.9263, 0.2107, 0.2785



0.6255, 0.2150, 0.2940

Inverse Universe

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



11.5281, 0.3653, 0.1787



20.5941, 0.3663, 0.1792



21.6596, 0.4971, 0.4433



8.6231, 0.3161, 0.3101



8.3498, 0.3649, 0.1784



0.2689, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 24.6692, 0.2106, 0.2780 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 24.6692, 0.2106, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

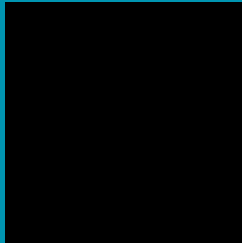
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6692, 0.2106, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 24.6692, 0.2106, 0.2780.

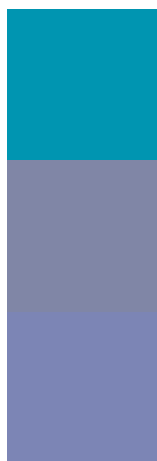


This preview shows how white text looks on a background with the Yxy color 24.6692, 0.2106, 0.2780.

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

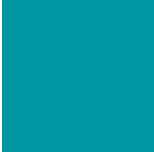
24.6692, 0.2106, 0.2780

Protanopia

24.3926, 0.2756, 0.2765

Deuteranopia

24.3963, 0.2594, 0.2527



Tritanopia

24.7776, 0.2184, 0.3061

Trichromacy



Original Color

24.6692, 0.2106, 0.2780

Protanomaly

23.1614, 0.2361, 0.2738

Deuteranomaly

23.4228, 0.2281, 0.2582

Tritanomaly

24.6398, 0.2153, 0.2952

Monochromacy



Original Color

24.6692, 0.2106, 0.2780

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

17.1246, 0.2474, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6692, 0.2106, 0.2780 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, 149, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 177)  
}
```

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, 149, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 177) }
```

Border

The CSS property to change the border of an element to Yxy 24.6692, 0.2106, 0.2780 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, 149, 177) }
```

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

```
.border{ border-color:rgb(0, 149, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6692, 0.2106, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 177) }
```

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

```
.background{ background-color: rgb(0, 149,  
177) }
```

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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