

Converting Colors

$Yxy(10.1129, 0.1349, 0.2357)$

Have a look what the booklet for
Yxy(10.1129, 0.1349, 0.2357)
contains.

Yxy(12.2312, 0.2024, 0.2485)	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

$\text{Yxy}(12.2312, 0.2024, 0.2485)$

Conversions

Conversions Part 1

Format	Color
Hex	006A8D
RGB	0, 106, 141
RGB Percent	0%, 42%, 55%
CMY	0.9992, 0.5843, 0.4471
CMYK	1.00, 0.25, 0.00, 0.45
HSL	195°, 100%, 28%
HSV	195°, 100%, 55%
XYZ	9.9622, 12.2312, 27.0268
YIQ	78.2960, -74.4110, -11.5870

Conversions

Conversions Part 2

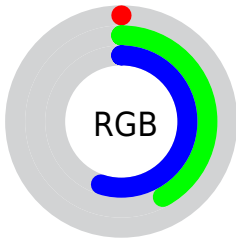
Format	Color
RYB	0, 61, 141
Decimal	27277
CIELab	41.58, -12.45, -26.41
CIELCh	42, 29.201, 244.763
Yxy	12.2312, 0.2024, 0.2485
Android (android.graphics.Color)	4278217357 (0xFF006A8D)
YUV	78.2960, 30.9131, -68.6656
Hunter-Lab	34.9731, -10.3570, -21.3373

Details

The Yxy color **12.2312, 0.2024, 0.2485** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **6.8739, 0.6041, 0.3583**, and the grayscale version is **7.6397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8479, 0.2281, 0.2682**, and **3.8833, 0.1939, 0.2182** is the 20% darker color. If you saturate the color by 10%, you get **12.2202, 0.2023, 0.2484**, and if you desaturate by 10%, it is **13.0629, 0.2072, 0.2575**.

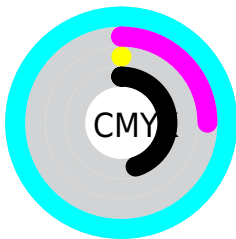
Distribution



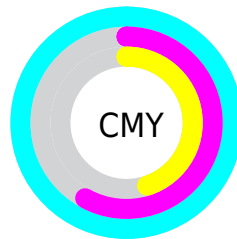
- Red (0%)
- Green (42%)
- Blue (55%)



- Red (0%)
- Yellow (24%)
- Blue (55%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (58%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2312, 0.2024, 0.2485 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 12.2312, 0.2024, 0.2485 by changing the saturation by 10% instead.

12.2312, 0.2024,
0.2485

12.2312, 0.2024,
0.2485

205.9299, 0.2666,
0.2976

6.9013, 0.1830,
0.2324

29.9155, 0.2281,
0.2690

3.4005, 0.1563,
0.2090

43.0387, 0.2371,
0.2758

1.3442, 0.1180,
0.1730

59.5285, 0.2443,
0.2813

0.1751, 0.0000,
0.0658

79.7693, 0.2503,
0.2858

0.0000, 0.0000,
0.0000

104.1454, 0.2554,
0.2895

133.0413, 0.2597,

0.2926

166.8413, 0.2634,
0.2953

■ 12.2312, 0.2024,
0.2485

■ 12.2312, 0.2024,
0.2485

■ 12.2202, 0.2023,
0.2484

■ 13.0629, 0.2072,
0.2575

■ 13.9863, 0.2134,
0.2665

■ 15.0333, 0.2214,
0.2755

■ 16.2158, 0.2312,
0.2843

■ 17.5440, 0.2426,
0.2930

■ 19.0268, 0.2553,
0.3012

■ 20.6724, 0.2689,
0.3090

■ 22.4884, 0.2833,
0.3163

■ 24.4817, 0.2980,
0.3230

Harmonies

Analogous

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



12.2312, 0.2040, 0.2912



12.2312, 0.2024, 0.2485



12.2312, 0.2258, 0.2308

Triad

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



12.2312, 0.2024, 0.2485



12.2312, 0.3973, 0.2997



12.2312, 0.3435, 0.4451

Complementary

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



12.2312, 0.2024, 0.2485



6.8739, 0.6041, 0.3583

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.



12.2312, 0.4000, 0.4334



12.2312, 0.2024, 0.2485



12.2312, 0.4351, 0.3471

Square

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



12.2312, 0.2024, 0.2485



12.2312, 0.3353, 0.2605



12.2312, 0.4349, 0.3951



12.2312, 0.2818, 0.4155

Rectangle

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



12.2312, 0.2024, 0.2485



12.2312, 0.2546, 0.2319



12.2312, 0.4349, 0.3951



12.2312, 0.3637, 0.4454

Sweetspot

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



12.2316, 0.2024, 0.2485



36.7908, 0.2678, 0.3084



19.1550, 0.2918, 0.5705



7.9684, 0.2627, 0.3056



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.2316, 0.2024, 0.2485



21.6153, 0.2018, 0.2465



3.2934, 0.1600, 0.0959



5.8925, 0.2990, 0.3234



11.1717, 0.2024, 0.2487



0.1416, 0.2140, 0.2905

Inverse Universe

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



6.7058, 0.3937, 0.1943



11.9754, 0.3957, 0.1953



15.4491, 0.4742, 0.4615



5.4884, 0.3172, 0.3126



6.1141, 0.3935, 0.1941



0.0620, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 12.2312, 0.2024, 0.2485 looks on a white 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

Black Background



This preview shows how the Yxy color 12.2312, 0.2024, 0.2485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

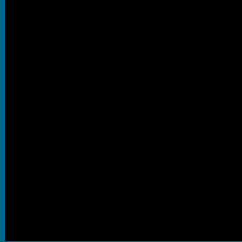
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2312, 0.2024, 0.2485

Background



This preview shows how black text looks on a background with the Yxy color 12.2312, 0.2024, 0.2485.

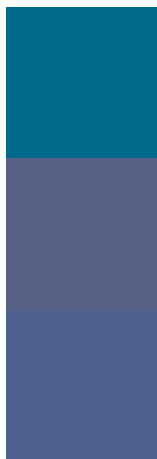


This preview shows how white text looks on a background with the Yxy color 12.2312, 0.2024, 0.2485.

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

12.2312, 0.2024, 0.2485

Protanopia

12.2969, 0.2549, 0.2506

Deuteranopia

12.1948, 0.2380, 0.2330



Tritanopia

12.2216, 0.2190, 0.3084

Trichromacy



Original Color

12.2312, 0.2024, 0.2485

Protanomaly

11.7327, 0.2230, 0.2457

Deuteranomaly

11.7454, 0.2160, 0.2359

Tritanomaly

12.2315, 0.2124, 0.2846

Monochromacy



Original Color

12.2312, 0.2024, 0.2485

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.5971, 0.2438, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2312, 0.2024, 0.2485 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, 106, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 141)  
}
```

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, 106, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 141) }
```

Border

The CSS property to change the border of an element to Yxy 12.2312, 0.2024, 0.2485 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, 106, 141) }
```

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

```
.border{ border-color:rgb(0, 106, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2312, 0.2024, 0.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 141) }
```

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

```
.background{ background-color: rgb(0, 106,  
141) }
```

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