

Converting Colors

$Y_{xy}(8.7885, 0.0943, 0.2009)$

Have a look what the booklet for
Yxy(8.7885, 0.0943, 0.2009)
contains.

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Color

$Y_{xy}(12.1350, 0.1961, 0.2258)$

Conversions

Conversions Part 1

Format	Color
Hex	006897
RGB	0, 104, 151
RGB Percent	0%, 41%, 59%
CMY	0.9990, 0.5922, 0.4078
CMYK	1.00, 0.31, 0.00, 0.41
HSL	199°, 100%, 30%
HSV	199°, 100%, 59%
XYZ	10.5389, 12.1350, 31.0684
YIQ	78.2620, -77.0710, -7.4310

Conversions

Conversions Part 2

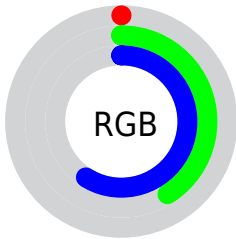
Format	Color
RYB	0, 62, 151
Decimal	26775
CIELab	41.43, -7.33, -32.65
CIELCh	41, 33.465, 257.341
Yxy	12.1350, 0.1961, 0.2258
Android (android.graphics.Color)	4278216855 (0xFF006897)
YUV	78.2620, 35.8598, -68.6358
Hunter-Lab	34.8353, -6.9596, -28.4939

Details

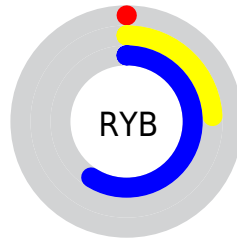
The Yxy color **12.1350, 0.1961, 0.2258** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.6351, 0.5901, 0.3694**, and the grayscale version is **7.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7837, 0.2228, 0.2502**, and **3.8464, 0.1862, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **12.1181, 0.1960, 0.2256**, and if you desaturate by 10%, it is **13.2130, 0.2016, 0.2373**.

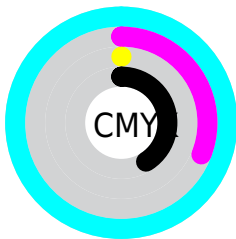
Distribution



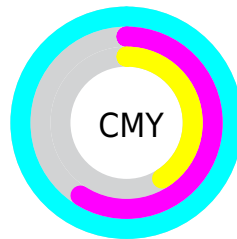
- Red (0%)
- Green (41%)
- Blue (59%)



- Red (0%)
- Yellow (24%)
- Blue (59%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (59%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1350, 0.1961, 0.2258 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 12.1350, 0.1961, 0.2258 by changing the saturation by 10% instead.

12.1350, 0.1961,
0.2258

12.1350, 0.1961,
0.2258

205.2970, 0.2636,
0.2871

6.8357, 0.1762,
0.2068

29.7407, 0.2229,
0.2507

3.3596, 0.1491,
0.1803

42.8160, 0.2323,
0.2593

1.3222, 0.1114,
0.1420

59.2519, 0.2400,
0.2662

0.1583, 0.0000,
0.0451

79.4331, 0.2463,
0.2719

0.0000, 0.0000,
0.0000

103.7437, 0.2517,
0.2766

132.5684, 0.2562,

0.2807

166.2913, 0.2602,
0.2841

■ 12.1350, 0.1961,
0.2258

■ 12.1350, 0.1961,
0.2258

■ 12.1181, 0.1960,
0.2256

■ 13.2130, 0.2016,
0.2373

■ 14.4198, 0.2086,
0.2489

■ 15.7905, 0.2175,
0.2605

■ 17.3396, 0.2283,
0.2720

■ 19.0796, 0.2405,
0.2831

■ 21.0216, 0.2539,
0.2937

■ 23.1756, 0.2682,
0.3037

■ 25.5510, 0.2830,
0.3129

■ 28.1564, 0.2980,
0.3214

Harmonies

Analogous

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



12.1350, 0.1859, 0.2610



12.1350, 0.1961, 0.2258



12.1350, 0.2332, 0.2179

Triad

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



12.1350, 0.1961, 0.2258



12.1350, 0.4329, 0.3165



12.1350, 0.3165, 0.4560

Complementary

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



12.1350, 0.1961, 0.2258



8.6351, 0.5901, 0.3694

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.



12.1350, 0.3856, 0.4590



12.1350, 0.1961, 0.2258



12.1350, 0.4582, 0.3706

Square

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



12.1350, 0.1961, 0.2258



12.1350, 0.3698, 0.2683



12.1350, 0.4386, 0.4228



12.1350, 0.2501, 0.4022

Rectangle

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



12.1350, 0.1961, 0.2258



12.1350, 0.2719, 0.2259



12.1350, 0.4386, 0.4228



12.1350, 0.3402, 0.4627

Sweetspot

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



12.1354, 0.1961, 0.2258



41.1902, 0.2670, 0.3029



22.3308, 0.2880, 0.5566



9.0140, 0.2614, 0.2991



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.1354, 0.1961, 0.2258



21.3617, 0.1954, 0.2234



3.1853, 0.1562, 0.0820



6.7013, 0.2989, 0.3219



10.3602, 0.1962, 0.2263



0.2189, 0.2102, 0.2767

Inverse Universe

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



7.5849, 0.4170, 0.2072



13.5353, 0.4196, 0.2085



20.2207, 0.4588, 0.4737



6.2908, 0.3182, 0.3138



6.4512, 0.4165, 0.2068



0.1029, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 12.1350, 0.1961, 0.2258 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 12.1350, 0.1961, 0.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

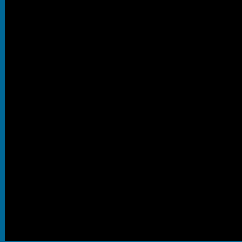
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1350, 0.1961, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 12.1350, 0.1961, 0.2258.

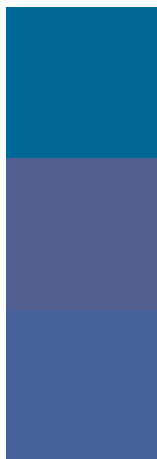


This preview shows how white text looks on a background with the Yxy color 12.1350, 0.1961, 0.2258.

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

12.1350, 0.1961, 0.2258

Protanopia

12.1287, 0.2388, 0.2297

Deuteranopia

12.2642, 0.2208, 0.2166



Tritanopia

12.2216, 0.2190, 0.3084

Trichromacy



Original Color

12.1350, 0.1961, 0.2258

Protanomaly

11.7603, 0.2135, 0.2253

Deuteranomaly

11.8949, 0.2058, 0.2182

Tritanomaly

12.1004, 0.2098, 0.2754

Monochromacy



Original Color

12.1350, 0.1961, 0.2258

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.5144, 0.2392, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1350, 0.1961, 0.2258 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, 104, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 151)  
}
```

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, 104, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 151) }
```

Border

The CSS property to change the border of an element to Yxy 12.1350, 0.1961, 0.2258 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, 104, 151) }
```

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

```
.border{ border-color:rgb(0, 104, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1350, 0.1961, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 151) }
```

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

```
.background{ background-color: rgb(0, 104,  
151) }
```

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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