

Converting Colors

$Yxy(11.8602, 0.1693, 0.2354)$

Have a look what the booklet for
Yxy(11.8602, 0.1693, 0.2354)
contains.

Yxy(13.0754, 0.2008, 0.2428)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(13.0754, 0.2008, 0.2428)$

Conversions

Conversions Part 1

Format	Color
Hex	006D94
RGB	0, 109, 148
RGB Percent	0%, 43%, 58%
CMY	0.9996, 0.5725, 0.4197
CMYK	1.00, 0.26, 0.00, 0.42
HSL	196°, 100%, 29%
HSV	196°, 100%, 58%
XYZ	10.8136, 13.0754, 29.9636
YIQ	80.8550, -77.4830, -10.9790

Conversions

Conversions Part 2

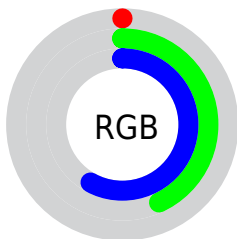
Format	Color
RYB	0, 63, 148
Decimal	28052
CIELab	42.88, -11.50, -28.58
CIELCh	43, 30.805, 248.078
Yxy	13.0754, 0.2008, 0.2428
Android (android.graphics.Color)	4278218132 (0xFF006D94)
YUV	80.8550, 33.1025, -70.9098
Hunter-Lab	36.1599, -9.8996, -23.8181

Details

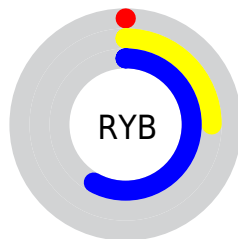
The Yxy color **13.0754, 0.2008, 0.2428** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.7513, 0.6016, 0.3604**, and the grayscale version is **8.1496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2907, 0.2266, 0.2637**, and **4.3083, 0.1928, 0.2141** is the 20% darker color. If you saturate the color by 10%, you get **13.0692, 0.2008, 0.2427**, and if you desaturate by 10%, it is **14.0268, 0.2057, 0.2524**.

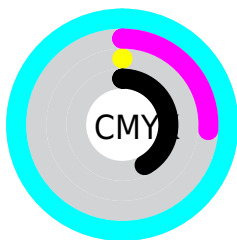
Distribution



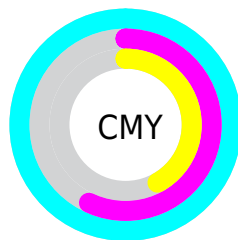
- Red (0%)
- Green (43%)
- Blue (58%)



- Red (0%)
- Yellow (25%)
- Blue (58%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (57%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0754, 0.2008, 0.2428 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 13.0754, 0.2008, 0.2428 by changing the saturation by 10% instead.


 13.0754, 0.2008,
0.2428

 13.0754, 0.2008,
0.2428


 211.4003, 0.2652,
0.2946


 7.4805, 0.1818,
0.2264


 31.4392, 0.2264,
0.2641


 3.7644, 0.1558,
0.2029

 44.9768, 0.2353,
0.2713

 1.5426, 0.1193,
0.1679

 61.9309, 0.2426,
0.2771

 0.3185, 0.0064,
0.0923

 82.6856, 0.2487,
0.2819

 0.0000, 0.0000,
0.0000

 107.6256, 0.2538,
0.2858

 137.1351, 0.2581,

0.2892

171.5985, 0.2619,
0.2921

■ 13.0754, 0.2008,
0.2428

■ 13.0754, 0.2008,
0.2428

■ 13.0692, 0.2008,
0.2427

■ 14.0268, 0.2057,
0.2524

■ 15.0859, 0.2121,
0.2620

■ 16.2872, 0.2203,
0.2717

■ 17.6440, 0.2303,
0.2812

■ 19.1680, 0.2418,
0.2904

■ 20.8694, 0.2547,
0.2993

■ 22.7575, 0.2685,
0.3076

■ 24.8409, 0.2830,
0.3154

■ 27.1276, 0.2979,
0.3225

Harmonies

Analogous

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



13.0754, 0.1995, 0.2837



13.0754, 0.2008, 0.2428



13.0754, 0.2275, 0.2276

Triad

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



13.0754, 0.2008, 0.2428



13.0754, 0.4059, 0.3038



13.0754, 0.3371, 0.4479

Complementary

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



13.0754, 0.2008, 0.2428



7.7513, 0.6016, 0.3604

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.



13.0754, 0.3967, 0.4395



13.0754, 0.2008, 0.2428



13.0754, 0.4409, 0.3528

Square

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



13.0754, 0.2008, 0.2428



13.0754, 0.3435, 0.2624



13.0754, 0.4361, 0.4017



13.0754, 0.2741, 0.4127

Rectangle

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



13.0754, 0.2008, 0.2428



13.0754, 0.2586, 0.2303



13.0754, 0.4361, 0.4017



13.0754, 0.3582, 0.4496

Sweetspot

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



13.0758, 0.2008, 0.2428



39.9306, 0.2676, 0.3071



21.3092, 0.2911, 0.5678



8.8169, 0.2622, 0.3039



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.0758, 0.2008, 0.2428



22.7738, 0.2003, 0.2409



3.4660, 0.1588, 0.0916



6.3062, 0.2990, 0.3230



11.2118, 0.2009, 0.2433



0.1854, 0.2133, 0.2878

Inverse Universe

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



7.4008, 0.3994, 0.1975



13.0270, 0.4014, 0.1985



17.6664, 0.4706, 0.4645



5.8833, 0.3175, 0.3128



6.3252, 0.3989, 0.1971



0.0823, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 13.0754, 0.2008, 0.2428 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 13.0754, 0.2008, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

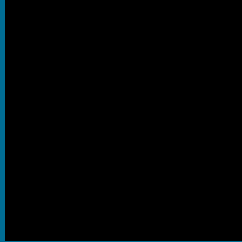
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0754, 0.2008, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 13.0754, 0.2008, 0.2428.

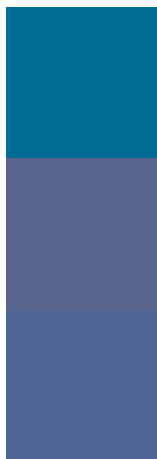


This preview shows how white text looks on a background with the Yxy color 13.0754, 0.2008, 0.2428.

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

13.0754, 0.2008, 0.2428

Protanopia

13.1613, 0.2512, 0.2452

Deuteranopia

13.2148, 0.2347, 0.2303



Tritanopia

12.9688, 0.2185, 0.3065

Trichromacy



Original Color

13.0754, 0.2008, 0.2428

Protanomaly

12.5840, 0.2210, 0.2403

Deuteranomaly

12.7744, 0.2143, 0.2331

Tritanomaly

13.0076, 0.2115, 0.2812

Monochromacy



Original Color

13.0754, 0.2008, 0.2428

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.2322, 0.2433, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0754, 0.2008, 0.2428 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, 109, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 148)  
}
```

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, 109, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 148) }
```

Border

The CSS property to change the border of an element to Yxy 13.0754, 0.2008, 0.2428 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, 109, 148) }
```

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

```
.border{ border-color:rgb(0, 109, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0754, 0.2008, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 148) }
```

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

```
.background{ background-color: rgb(0, 109,  
148) }
```

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