

Converting Colors

$Yxy(11.1824, 0.1992, 0.2372)$

Have a look what the booklet for
Yxy(11.1824, 0.1992, 0.2372)
contains.

Yxy(11.2008, 0.1994, 0.2380)	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(11.2008, 0.1994, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	00658C
RGB	0, 101, 140
RGB Percent	0%, 40%, 55%
CMY	1.0000, 0.6039, 0.4510
CMYK	1.00, 0.28, 0.00, 0.45
HSL	197°, 100%, 27%
HSV	197°, 100%, 55%
XYZ	9.3842, 11.2008, 26.4772
YIQ	75.2470, -72.7150, -9.2830

Conversions

Conversions Part 2

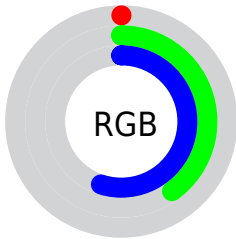
Format	Color
RYB	0, 59, 140
Decimal	25996
CIELab	39.92, -9.93, -28.43
CIELCh	40, 30.109, 250.753
Yxy	11.2008, 0.1994, 0.2380
Android (android.graphics.Color)	4278216076 (0xFF00658C)
YUV	75.2470, 31.9232, -65.9916
Hunter-Lab	33.4676, -8.5175, -23.4787

Details

The Yxy color **11.2008, 0.1994, 0.2380** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.0253, 0.5975, 0.3638**, and the grayscale version is **7.0354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1008, 0.2263, 0.2611**, and **3.3765, 0.1895, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **11.2031, 0.1995, 0.2380**, and if you desaturate by 10%, it is **12.0717, 0.2047, 0.2482**.

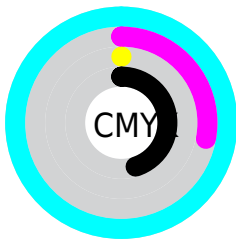
Distribution



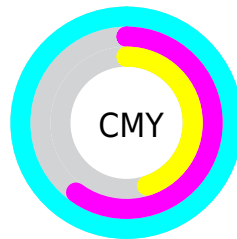
- Red (0%)
- Green (40%)
- Blue (55%)



- Red (0%)
- Yellow (23%)
- Blue (55%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.2008, 0.1994, 0.2380 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 11.2008, 0.1994, 0.2380 by changing the saturation by 10% instead.

■ 11.2008, 0.1994,
0.2380

■ 11.2008, 0.1994,
0.2380

■ 199.0400, 0.2659,
0.2935

■ 6.2021, 0.1791,
0.2199

■ 28.0309, 0.2263,
0.2611

■ 2.9683, 0.1510,
0.1938

■ 40.6310, 0.2355,
0.2688

■ 1.1152, 0.1107,
0.1541

■ 56.5337, 0.2430,
0.2750

■ 0.0000, 0.0000,
0.0000

■ 76.1235, 0.2492,
0.2801

■ 99.7845, 0.2544,
0.2843

■ 127.9014, 0.2588,

0.2878

160.8584, 0.2626,
0.2909

■ 11.2008, 0.1994,
0.2380

■ 11.2008, 0.1994,
0.2380

■ 11.2031, 0.1995,
0.2380

■ 12.0717, 0.2047,
0.2482

■ 13.0369, 0.2113,
0.2583

■ 14.1307, 0.2197,
0.2685

■ 15.3651, 0.2299,
0.2786

■ 16.7501, 0.2416,
0.2883

■ 18.2948, 0.2546,
0.2977

■ 20.0072, 0.2685,
0.3065

■ 21.8950, 0.2830,
0.3146

■ 23.9651, 0.2978,
0.3222

Harmonies

Analogous

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



11.2008, 0.1957, 0.2774



11.2008, 0.1994, 0.2380



11.2008, 0.2289, 0.2248

Triad

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



11.2008, 0.1994, 0.2380



11.2008, 0.4133, 0.3073



11.2008, 0.3316, 0.4503

Complementary

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



11.2008, 0.1994, 0.2380



7.0253, 0.5975, 0.3638

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.



11.2008, 0.3939, 0.4448



11.2008, 0.1994, 0.2380



11.2008, 0.4459, 0.3576

Square

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



11.2008, 0.1994, 0.2380



11.2008, 0.3505, 0.2639



11.2008, 0.4371, 0.4074



11.2008, 0.2675, 0.4101

Rectangle

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



11.2008, 0.1994, 0.2380



11.2008, 0.2621, 0.2290



11.2008, 0.4371, 0.4074



11.2008, 0.3534, 0.4533

Sweetspot

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



11.2031, 0.1995, 0.2380



35.0750, 0.2676, 0.3059



18.8912, 0.2899, 0.5636



7.8165, 0.2624, 0.3027



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.



11.2031, 0.1995, 0.2380



19.4723, 0.1989, 0.2360



2.9627, 0.1580, 0.0889



5.4571, 0.2991, 0.3228



9.9889, 0.1996, 0.2385



0.0911, 0.2125, 0.2851

Inverse Universe

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



6.5151, 0.4043, 0.2001



11.4585, 0.4064, 0.2013



16.1599, 0.4664, 0.4679



5.1056, 0.3176, 0.3134



5.7926, 0.4038, 0.1998



0.0410, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 11.2008, 0.1994, 0.2380 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 11.2008, 0.1994, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

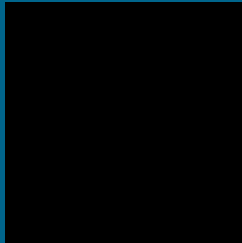
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2008, 0.1994, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 11.2008, 0.1994, 0.2380.

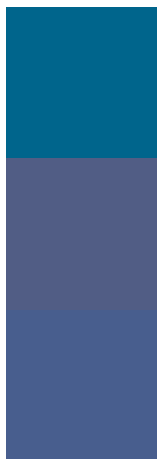


This preview shows how white text looks on a background with the Yxy color 11.2008, 0.1994, 0.2380.

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

11.2008, 0.1994, 0.2380

Protanopia

11.2715, 0.2478, 0.2420

Deuteranopia

11.3361, 0.2309, 0.2264



Tritanopia

11.2730, 0.2195, 0.3103

Trichromacy



Original Color

11.2008, 0.1994, 0.2380

Protanomaly

10.8734, 0.2194, 0.2375

Deuteranomaly

11.0533, 0.2124, 0.2300

Tritanomaly

11.3058, 0.2120, 0.2832

Monochromacy



Original Color

11.2008, 0.1994, 0.2380

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.8699, 0.2416, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2008, 0.1994, 0.2380 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, 101, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 140)  
}
```

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, 101, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 140) }
```

Border

The CSS property to change the border of an element to Yxy 11.2008, 0.1994, 0.2380 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, 101, 140) }
```

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

```
.border{ border-color:rgb(0, 101, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2008, 0.1994, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 140) }
```

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

```
.background{ background-color: rgb(0, 101,  
140) }
```

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