

Converting Colors

$Y_{xy}(11.5039, 0.2243, 0.2641)$

Have a look what the booklet for
Yxy(11.5039, 0.2243, 0.2641)
contains.

Yxy(11.4702, 0.2244, 0.2648)	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(11.4702, 0.2244, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	2F6580
RGB	47, 101, 128
RGB Percent	18%, 40%, 50%
CMY	0.8159, 0.6039, 0.4980
CMYK	0.63, 0.21, 0.00, 0.50
HSL	200°, 46%, 34%
HSV	200°, 63%, 50%
XYZ	9.7202, 11.4702, 22.1261
YIQ	87.9320, -40.8510, -3.0510

Conversions

Conversions Part 2

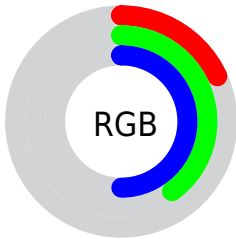
Format	Color
R_{YB}	47, 79, 128
Decimal	3106176
CIE _{Lab}	40.36, -9.12, -20.41
CIE _{LCh}	40, 22.352, 245.929
Yxy	11.4702, 0.2244, 0.2648
Android (android.graphics.Color)	4281296256 (0xFF2F6580)
YUV	87.9320, 19.7535, -35.8974
Hunter-Lab	33.8677, -8.0379, -15.0273

Details

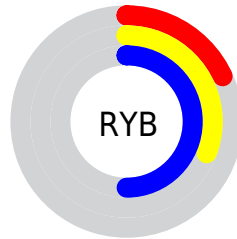
The Yxy color **11.4702, 0.2244, 0.2648** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.6831, 0.4656, 0.3802**, and the grayscale version is **9.7029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5594, 0.2459, 0.2816**, and **3.2028, 0.1978, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **10.4036, 0.2140, 0.2526**, and if you desaturate by 10%, it is **12.6698, 0.2364, 0.2767**.

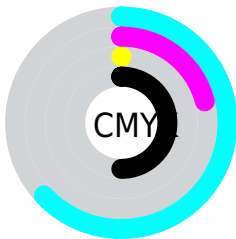
Distribution



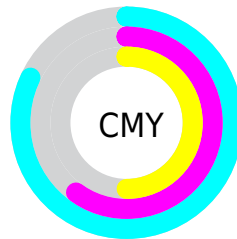
- Red (18%)
- Green (40%)
- Blue (50%)



- Red (18%)
- Yellow (31%)
- Blue (50%)



- Cyan (63%)
- Magenta (21%)
- Yellow (0%)
- Black (50%)



- Cyan (82%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.4702, 0.2244, 0.2648 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 11.4702, 0.2244, 0.2648 by changing the saturation by 10% instead.

■ 11.4702, 0.2244,
0.2648

■ 11.4702, 0.2244,
0.2648

■ 200.8656, 0.2770,
0.3044

■ 6.3840, 0.2076,
0.2513

■ 28.5264, 0.2460,
0.2816

■ 3.0800, 0.1834,
0.2309

■ 41.2653, 0.2533,
0.2871

■ 1.1736, 0.1464,
0.1979

■ 57.3238, 0.2592,
0.2915

■ 0.0400, 0.0000,
0.0249

■ 77.0864, 0.2640,
0.2951

■ 0.0000, 0.0000,
0.0000

■ 100.9375, 0.2681,
0.2980

■ 129.2615, 0.2715,

0.3005

162.4427, 0.2744,
0.3026

■ 11.4702, 0.2244,
0.2648

■ 11.4702, 0.2244,
0.2648

■ 10.4036, 0.2140,
0.2526

■ 12.6698, 0.2364,
0.2767

■ 9.4601, 0.2053,
0.2403

■ 14.0088, 0.2495,
0.2881

■ 8.6295, 0.1985,
0.2281

■ 15.4948, 0.2636,
0.2988

■ 8.1156, 0.1944,
0.2199

■ 17.1341, 0.2782,
0.3088

■ 18.9328, 0.2930,
0.3180

■ 20.8964, 0.3078,
0.3264

■ 23.0302, 0.3224,
0.3340

■ 25.3394, 0.3366,
0.3407

■ 27.8287, 0.3503,
0.3468

Harmonies

Analogous

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



11.4702, 0.2252, 0.2989



11.4702, 0.2244, 0.2648



11.4702, 0.2446, 0.2501

Triad

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



11.4702, 0.2244, 0.2648



11.4702, 0.3804, 0.3078



11.4702, 0.3365, 0.4182

Complementary

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



11.4702, 0.2244, 0.2648



9.6831, 0.4656, 0.3802

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.



11.4702, 0.3812, 0.4127



11.4702, 0.2244, 0.2648



11.4702, 0.4089, 0.3468

Square

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



11.4702, 0.2244, 0.2648



11.4702, 0.3330, 0.2751



11.4702, 0.4085, 0.3849



11.4702, 0.2875, 0.3936

Rectangle

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



11.4702, 0.2244, 0.2648



11.4702, 0.2686, 0.2510



11.4702, 0.4085, 0.3849



11.4702, 0.3525, 0.4195

Sweetspot

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



11.4706, 0.2244, 0.2648



31.3637, 0.2839, 0.3125



16.5189, 0.2840, 0.4654



7.1662, 0.2803, 0.3102



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



11.4706, 0.2244, 0.2648



17.5561, 0.2099, 0.2472



5.5848, 0.2023, 0.1667



4.6531, 0.2993, 0.3217



8.0488, 0.1944, 0.2200



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.5573, 0.3723, 0.2294



11.0330, 0.3919, 0.2157



16.6369, 0.4138, 0.4489



4.3888, 0.3183, 0.3147



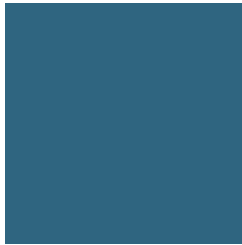
5.2070, 0.4233, 0.2105



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.4702, 0.2244, 0.2648 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 11.4702, 0.2244, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

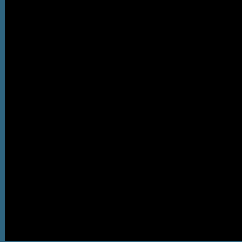
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4702, 0.2244, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 11.4702, 0.2244, 0.2648.

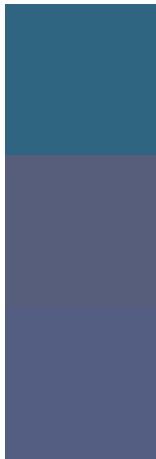


This preview shows how white text looks on a background with the Yxy color 11.4702, 0.2244, 0.2648.

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

11.4702, 0.2244, 0.2648

Protanopia

11.4617, 0.2657, 0.2646

Deuteranopia

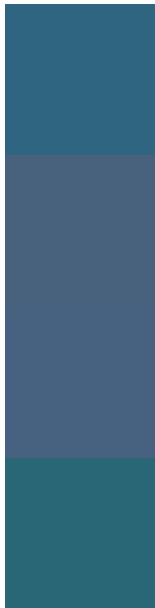
11.5019, 0.2546, 0.2505



Tritanopia

11.5018, 0.2335, 0.3083

Trichromacy



Original Color

11.4702, 0.2244, 0.2648

Protanomaly

11.4078, 0.2471, 0.2647

Deuteranomaly

11.4740, 0.2423, 0.2566

Tritanomaly

11.5007, 0.2300, 0.2915

Monochromacy



Original Color

11.4702, 0.2244, 0.2648

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.2244, 0.2707, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4702, 0.2244, 0.2648 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(47, 101, 128)` looks like.

```
.text, #text, p{  
    color:rgb(47, 101, 128)  
}
```

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(47, 101, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 101, 128) }
```

Border

The CSS property to change the border of an element to Yxy 11.4702, 0.2244, 0.2648 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(47, 101, 128) }
```

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

```
.border{ border-color:rgb(47, 101, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 101, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 101, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 101, 128);  
box-shadow:4px 4px 4px 4px rgb(47, 101,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4702, 0.2244, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 101, 128) }
```

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

```
.background{ background-color: rgb(47, 101,  
128) }
```

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