

Converting Colors

$Y_{xy}(15.5880, 0.2690, 0.2129)$

Have a look what the booklet for
Yxy(15.5880, 0.2690, 0.2129)
contains.

Yxy(15.5545, 0.2685, 0.2123)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.5545, 0.2685, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	7E60A6
RGB	126, 96, 166
RGB Percent	49%, 38%, 65%
CMY	0.5058, 0.6236, 0.3490
CMYK	0.24, 0.42, 0.00, 0.35
HSL	266°, 28%, 51%
HSV	266°, 42%, 65%
XYZ	19.6721, 15.5545, 38.0400
YIQ	112.9500, -4.5900, 28.1300

Conversions

Conversions Part 2

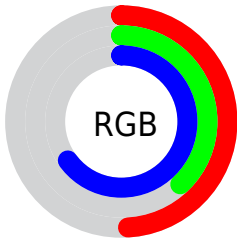
Format	Color
RYB	126, 96, 166
Decimal	8282278
CIELab	46.38, 26.86, -33.30
CIElCh	46, 42.785, 308.891
Yxy	15.5545, 0.2685, 0.2123
Android (android.graphics.Color)	4286472358 (0xFF7E60A6)
YUV	112.9500, 26.1537, 11.4449
Hunter-Lab	39.4392, 20.0164, -29.5792

Details

The Yxy color **15.5545, 0.2685, 0.2123** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.3471, 0.3435, 0.4424**, and the grayscale version is **16.4208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7912, 0.2798, 0.2367**, and **4.9074, 0.2474, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **12.1525, 0.2548, 0.1823**, and if you desaturate by 10%, it is **19.6655, 0.2812, 0.2423**.

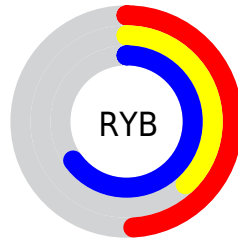
Distribution



Red (49%)

Green (38%)

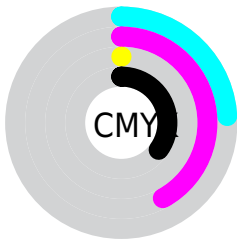
Blue (65%)



Red (49%)

Yellow (38%)

Blue (65%)

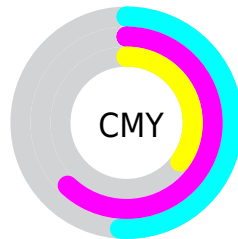


Cyan (24%)

Magenta (42%)

Yellow (0%)

Black (35%)



Cyan (51%)


Magenta (62%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5545, 0.2685, 0.2123 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 15.5545, 0.2685, 0.2123 by changing the saturation by 10% instead.


 15.5545, 0.2685,
0.2123


 15.5545, 0.2685,
0.2123


226.6984, 0.2953,
0.2755


 9.2095, 0.2599,
0.1952


 35.8230, 0.2796,
0.2363


 4.8781, 0.2476,
0.1726


 50.5153, 0.2833,
0.2451

 2.1759, 0.2289,
0.1420

 68.7589, 0.2863,
0.2523

 0.7068, 0.1984,
0.0983

 90.9380, 0.2888,
0.2584

 0.0000, 0.1102,
0.0000

117.4371, 0.2908,
0.2636

 0.0000, 0.0000,
0.0000

148.6406, 0.2926,

0.2681

184.9329, 0.2941,
0.2721

■ 15.5545, 0.2685,
0.2123

■ 15.5545, 0.2685,
0.2123

■ 12.1525, 0.2548,
0.1823

■ 19.6655, 0.2812,
0.2423

■ 9.4153, 0.2403,
0.1537

■ 24.5226, 0.2925,
0.2714

■ 7.2961, 0.2258,
0.1281

■ 30.1623, 0.3024,
0.2987

■ 5.7413, 0.2118,
0.1069

■ 36.6182, 0.3110,
0.3238

■ 4.6872, 0.1990,
0.0913

■ 43.9220, 0.3183,
0.3467

■ 4.1006, 0.1901,
0.0821

■ 52.1036, 0.3245,
0.3673

■ 61.1913, 0.3297,
0.3858

■ 71.2124, 0.3341,
0.4022

■ 82.1927, 0.3377,
0.4167

Harmonies

Analogous

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



15.5545, 0.2059, 0.2014



15.5545, 0.2685, 0.2123



15.5545, 0.3540, 0.2459

Triad

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



15.5545, 0.2685, 0.2123



15.5545, 0.4692, 0.4177



15.5545, 0.1982, 0.3483

Complementary

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



15.5545, 0.2685, 0.2123



33.3471, 0.3435, 0.4424

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.



15.5545, 0.2584, 0.4402



15.5545, 0.2685, 0.2123



15.5545, 0.4150, 0.4705

Square

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



15.5545, 0.2685, 0.2123



15.5545, 0.4803, 0.3560



15.5545, 0.3379, 0.4875



15.5545, 0.1698, 0.2656

Rectangle

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



15.5545, 0.2685, 0.2123



15.5545, 0.4118, 0.2782



15.5545, 0.3379, 0.4875



15.5545, 0.2150, 0.3804

Sweetspot

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



15.5551, 0.2685, 0.2123



53.5787, 0.3014, 0.2958



23.0822, 0.2481, 0.2776



11.4792, 0.2994, 0.2901



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.5551, 0.2685, 0.2123



22.1812, 0.2551, 0.1830



18.6081, 0.3102, 0.2255



7.4520, 0.3050, 0.3061



3.2065, 0.1910, 0.0826



0.1084, 0.2309, 0.1046

Inverse Universe

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



18.2479, 0.3575, 0.2679



27.9413, 0.3726, 0.2545



30.9304, 0.3116, 0.4545



7.6114, 0.3200, 0.3162



6.9338, 0.4629, 0.2324



0.1786, 0.4048, 0.2003

Previews

White Background



This preview shows how the Yxy color 15.5545, 0.2685, 0.2123 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 15.5545, 0.2685, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

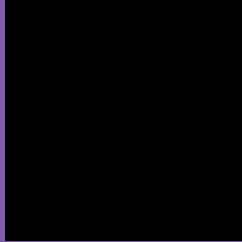
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.5545, 0.2685, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 15.5545, 0.2685, 0.2123.



This preview shows how white text looks on a background with the Yxy color 15.5545, 0.2685, 0.2123.

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

15.5545, 0.2685, 0.2123

Protanopia

15.7445, 0.2223, 0.2076

Deuteranopia

15.6079, 0.2339, 0.2281



Tritanopia

15.5351, 0.3162, 0.3131

Trichromacy



Original Color

15.5545, 0.2685, 0.2123

Protanomaly

15.5318, 0.2365, 0.2094

Deuteranomaly

15.3477, 0.2447, 0.2207

Tritanomaly

15.4148, 0.2967, 0.2707

Monochromacy



Original Color

15.5545, 0.2685, 0.2123

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0329, 0.2966, 0.2815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5545, 0.2685, 0.2123 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(126, 96, 166)` looks like.

```
.text, #text, p{  
    color:rgb(126, 96, 166)  
}
```

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(126, 96, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 96, 166) }
```

Border

The CSS property to change the border of an element to Yxy 15.5545, 0.2685, 0.2123 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(126, 96, 166) }
```

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

```
.border{ border-color:rgb(126, 96, 166) }
```

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

Here you see how a box with a 4 pixel rgb(126, 96, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 96, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 96, 166);  
box-shadow:4px 4px 4px 4px rgb(126, 96,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5545, 0.2685, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 96, 166) }
```

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

```
.background{ background-color: rgb(126, 96,  
166) }
```

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