

Converting Colors

$Y_{xy}(15.0111, 0.2696, 0.2224)$

Have a look what the booklet for
Yxy(15.0111, 0.2696, 0.2224)
contains.

Yxy(15.0111, 0.2696, 0.2224)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0111, 0.2696, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	78619E
RGB	120, 97, 158
RGB Percent	47%, 38%, 62%
CMY	0.5292, 0.6197, 0.3804
CMYK	0.24, 0.39, 0.00, 0.38
HSL	263°, 24%, 50%
HSV	263°, 39%, 62%
XYZ	18.1969, 15.0111, 34.2879
YIQ	110.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

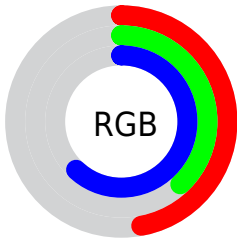
Format	Color
R_{YB}	120, 97, 158
Decimal	7889310
CIE _{Lab}	45.65, 22.44, -29.78
CIE _{LCh}	46, 37.288, 307.008
Yxy	15.0111, 0.2696, 0.2224
Android (android.graphics.Color)	4286079390 (0xFF78619E)
YUV	110.8310, 23.2543, 8.0412
Hunter-Lab	38.7442, 16.0335, -25.3498

Details

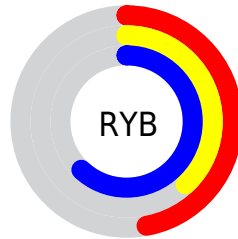
The Yxy color **15.0111, 0.2696, 0.2224** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.4642, 0.3445, 0.4307**, and the grayscale version is **15.7790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8681, 0.2800, 0.2451**, and **4.6239, 0.2498, 0.1843** is the 20% darker color. If you saturate the color by 10%, you get **11.7100, 0.2551, 0.1917**, and if you desaturate by 10%, it is **18.9671, 0.2828, 0.2526**.

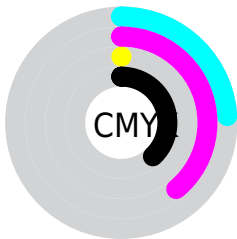
Distribution



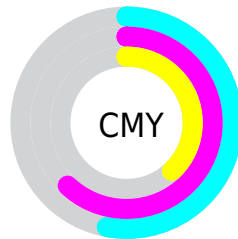
- Red (47%)
- Green (38%)
- Blue (62%)



- Red (47%)
- Yellow (38%)
- Blue (62%)



- Cyan (24%)
- Magenta (39%)
- Yellow (0%)
- Black (38%)





- Cyan (53%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0111, 0.2696, 0.2224 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 15.0111, 0.2696, 0.2224 by changing the saturation by 10% instead.


 15.0111, 0.2696,
0.2224


 15.0111, 0.2696,
0.2224


223.4334, 0.2957,
0.2812


 8.8272, 0.2612,
0.2060


 34.8727, 0.2804,
0.2451


 4.6286, 0.2490,
0.1840


 49.3191, 0.2841,
0.2532

 2.0311, 0.2302,
0.1533

 67.2884, 0.2870,
0.2599

 0.6254, 0.1993,
0.1057

 89.1652, 0.2894,
0.2655

 0.0000, 0.0507,
0.0000

115.3336, 0.2914,
0.2703

 0.0000, 0.0000,
0.0000

146.1782, 0.2930,

0.2744

182.0833, 0.2945,
0.2780

■ 15.0111, 0.2696,
0.2224

■ 15.0111, 0.2696,
0.2224

■ 11.7100, 0.2551,
0.1917

■ 18.9671, 0.2828,
0.2526

■ 9.0251, 0.2399,
0.1618

■ 23.6100, 0.2946,
0.2813

■ 6.9164, 0.2243,
0.1341

■ 28.9722, 0.3050,
0.3079

■ 5.3380, 0.2093,
0.1105

■ 35.0829, 0.3139,
0.3322

■ 4.2368, 0.1956,
0.0923

■ 41.9703, 0.3215,
0.3541

■ 3.5106, 0.1837,
0.0794

■ 49.6606, 0.3279,
0.3738

■ 3.4207, 0.1821,
0.0777

■ 58.1790, 0.3333,
0.3912

■ 67.5496, 0.3379,
0.4067

■ 77.7954, 0.3417,
0.4203

Harmonies

Analogous

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



15.0111, 0.2142, 0.2142



15.0111, 0.2696, 0.2224



15.0111, 0.3448, 0.2520

Triad

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



15.0111, 0.2696, 0.2224



15.0111, 0.4547, 0.4076



15.0111, 0.2133, 0.3520

Complementary

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



15.0111, 0.2696, 0.2224



30.4642, 0.3445, 0.4307

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.



15.0111, 0.2697, 0.4297



15.0111, 0.2696, 0.2224



15.0111, 0.4095, 0.4537

Square

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



15.0111, 0.2696, 0.2224



15.0111, 0.4600, 0.3519



15.0111, 0.3415, 0.4683



15.0111, 0.1848, 0.2778

Rectangle

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



15.0111, 0.2696, 0.2224



15.0111, 0.3959, 0.2810



15.0111, 0.3415, 0.4683



15.0111, 0.2294, 0.3796

Sweetspot

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



15.0117, 0.2696, 0.2224



48.9358, 0.3014, 0.2985



22.5137, 0.2545, 0.2886



10.7652, 0.3002, 0.2953



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



15.0117, 0.2696, 0.2224



22.2139, 0.2577, 0.1970



17.4868, 0.3067, 0.2332



6.5513, 0.3044, 0.3063



2.7606, 0.1830, 0.0782



0.0727, 0.2289, 0.1035

Inverse Universe

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



17.5637, 0.3478, 0.2686



27.6137, 0.3583, 0.2559



28.3286, 0.3147, 0.4408



6.7120, 0.3192, 0.3152



6.5402, 0.4420, 0.2208



0.1250, 0.3832, 0.1885

Previews

White Background



This preview shows how the Yxy color 15.0111, 0.2696, 0.2224 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 15.0111, 0.2696, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

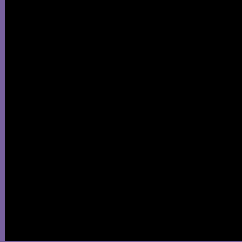
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0111, 0.2696, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 15.0111, 0.2696, 0.2224.

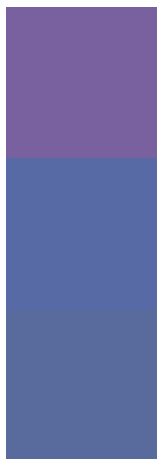


This preview shows how white text looks on a background with the Yxy color 15.0111, 0.2696, 0.2224.

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

15.0111, 0.2696, 0.2224

Protanopia

15.0875, 0.2307, 0.2180

Deuteranopia

15.0395, 0.2404, 0.2351



Tritanopia

14.9906, 0.3095, 0.3107

Trichromacy



Original Color

15.0111, 0.2696, 0.2224

Protanomaly

14.9975, 0.2432, 0.2197

Deuteranomaly

14.8441, 0.2493, 0.2286

Tritanomaly

14.9840, 0.2938, 0.2748

Monochromacy



Original Color

15.0111, 0.2696, 0.2224

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4440, 0.2961, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0111, 0.2696, 0.2224 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(120, 97, 158)` looks like.

```
.text, #text, p{  
    color:rgb(120, 97, 158)  
}
```

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(120, 97, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 97, 158) }
```

Border

The CSS property to change the border of an element to Yxy 15.0111, 0.2696, 0.2224 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(120, 97, 158) }
```

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

```
.border{ border-color:rgb(120, 97, 158) }
```

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

Here you see how a box with a 4 pixel rgb(120, 97, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 97, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 97, 158);  
box-shadow:4px 4px 4px 4px rgb(120, 97,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0111, 0.2696, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 97, 158) }
```

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

```
.background{ background-color: rgb(120, 97,  
158) }
```

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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