

Converting Colors

$Y_{xy}(15.7198, 0.2573, 0.2210)$

Have a look what the booklet for
Yxy(15.7198, 0.2573, 0.2210)
contains.

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Color

Yxy(15.6938, 0.2567, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	7166A4
RGB	113, 102, 164
RGB Percent	44%, 40%, 64%
CMY	0.5568, 0.6000, 0.3569
CMYK	0.31, 0.38, 0.00, 0.36
HSL	251°, 25%, 52%
HSV	251°, 38%, 64%
XYZ	18.2620, 15.6938, 37.1856
YIQ	112.3570, -13.3460, 21.6140

Conversions

Conversions Part 2

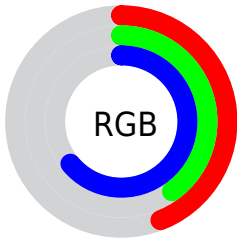
Format	Color
R_{YB}	113, 102, 164
Decimal	7431844
CIE _{Lab}	46.57, 18.82, -31.92
CIE _{LCh}	47, 37.054, 300.524
Yxy	15.6938, 0.2567, 0.2206
Android (android.graphics.Color)	4285621924 (0xFF7166A4)
YUV	112.3570, 25.4600, 0.5639
Hunter-Lab	39.6154, 12.9584, -27.9227

Details

The Yxy color **15.6938, 0.2567, 0.2206** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.2798, 0.3567, 0.4245**, and the grayscale version is **16.2407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0039, 0.2700, 0.2436**, and **4.9264, 0.2312, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **11.9543, 0.2383, 0.1874**, and if you desaturate by 10%, it is **20.2051, 0.2739, 0.2526**.

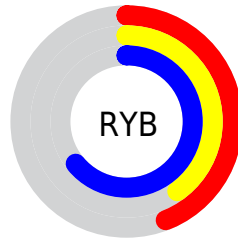
Distribution



Red (44%)

Green (40%)

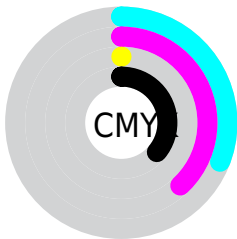
Blue (64%)



Red (44%)

Yellow (40%)

Blue (64%)

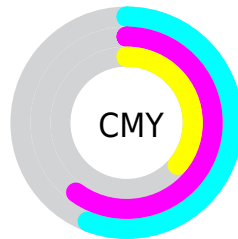


Cyan (31%)

Magenta (38%)

Yellow (0%)

Black (36%)



Cyan (56%)


Magenta (60%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6938, 0.2567, 0.2206 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 15.6938, 0.2567, 0.2206 by changing the saturation by 10% instead.


 15.6938, 0.2567,
0.2206


 15.6938, 0.2567,
0.2206


227.5281, 0.2898,
0.2801


 9.3077, 0.2465,
0.2041


 36.0658, 0.2701,
0.2435


 4.9425, 0.2320,
0.1821


 50.8205, 0.2747,
0.2517

 2.2135, 0.2104,
0.1518


 69.1336, 0.2784,
0.2585

 0.7274, 0.1762,
0.1077

 91.3894, 0.2815,
0.2642

 0.0000, 0.0449,
0.0000

117.9724, 0.2841,
0.2691

 0.0000, 0.0000,
0.0000

149.2669, 0.2863,

0.2733

185.6573, 0.2882,
0.2769

■ 15.6938, 0.2567,
0.2206

■ 15.6938, 0.2567,
0.2206

■ 11.9543, 0.2383,
0.1874

■ 20.2051, 0.2739,
0.2526

■ 8.9412, 0.2194,
0.1547

■ 25.5267, 0.2894,
0.2826

■ 6.6070, 0.2010,
0.1244

■ 31.6964, 0.3032,
0.3098

■ 4.8978, 0.1844,
0.0987

■ 38.7492, 0.3152,
0.3341

■ 3.7513, 0.1706,
0.0794

■ 46.7184, 0.3256,
0.3556

■ 3.0666, 0.1605,
0.0671

■ 55.6350, 0.3344,
0.3745

■ 2.9429, 0.1586,
0.0647

■ 65.5291, 0.3420,
0.3910

■ 76.4292, 0.3484,
0.4054

■ 88.3626, 0.3539,
0.4179

Harmonies

Analogous

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



15.6938, 0.2077, 0.2177



15.6938, 0.2567, 0.2206



15.6938, 0.3275, 0.2455

Triad

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



15.6938, 0.2567, 0.2206



15.6938, 0.4568, 0.3950



15.6938, 0.2252, 0.3691

Complementary

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



15.6938, 0.2567, 0.2206



34.2798, 0.3567, 0.4245

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.



15.6938, 0.2853, 0.4399



15.6938, 0.2567, 0.2206



15.6938, 0.4199, 0.4435

Square

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



15.6938, 0.2567, 0.2206



15.6938, 0.4519, 0.3399



15.6938, 0.3566, 0.4662



15.6938, 0.1907, 0.2928

Rectangle

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



15.6938, 0.2567, 0.2206



15.6938, 0.3786, 0.2721



15.6938, 0.3566, 0.4662



15.6938, 0.2429, 0.3955

Sweetspot

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



15.6944, 0.2567, 0.2206



53.5472, 0.2987, 0.3008



28.5049, 0.2586, 0.3113



11.3912, 0.2970, 0.2974



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.6944, 0.2567, 0.2206



22.9214, 0.2420, 0.1939



18.0526, 0.2917, 0.2306



6.9176, 0.3013, 0.3060



2.2721, 0.1592, 0.0651



0.0636, 0.1889, 0.0814

Inverse Universe

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



19.6948, 0.3306, 0.2522



31.2739, 0.3354, 0.2366



31.6946, 0.3263, 0.4346



7.1805, 0.3163, 0.3107



7.3969, 0.3705, 0.1815



0.1607, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 15.6938, 0.2567, 0.2206 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 15.6938, 0.2567, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

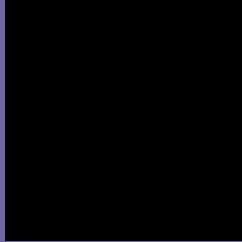
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6938, 0.2567, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 15.6938, 0.2567, 0.2206.



This preview shows how white text looks on a background with the Yxy color 15.6938, 0.2567, 0.2206.

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

15.6938, 0.2567, 0.2206

Protanopia

15.7135, 0.2310, 0.2181

Deuteranopia

15.8352, 0.2359, 0.2317



Tritanopia

15.6680, 0.2929, 0.3105

Trichromacy



Original Color

15.6938, 0.2567, 0.2206

Protanomaly

15.6948, 0.2399, 0.2194

Deuteranomaly

15.7011, 0.2424, 0.2266

Tritanomaly

15.6285, 0.2786, 0.2743

Monochromacy



Original Color

15.6938, 0.2567, 0.2206

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.8086, 0.2902, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6938, 0.2567, 0.2206 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(113, 102, 164)` looks like.

```
.text, #text, p{  
    color:rgb(113, 102, 164)  
}
```

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(113, 102, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 102, 164) }
```

Border

The CSS property to change the border of an element to Yxy 15.6938, 0.2567, 0.2206 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(113, 102, 164) }
```

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

```
.border{ border-color:rgb(113, 102, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 102, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 102, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 102, 164);  
box-shadow:4px 4px 4px 4px rgb(113, 102,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6938, 0.2567, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 102, 164) }
```

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

```
.background{ background-color: rgb(113,  
102, 164) }
```

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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