

Converting Colors

$Y_{xy}(12.6524, 0.2611, 0.2411)$

Have a look what the booklet for
Yxy(12.6524, 0.2611, 0.2411)
contains.

Yxy(12.5899, 0.2611, 0.2402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5899, 0.2611, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	615F8B
RGB	97, 95, 139
RGB Percent	38%, 37%, 55%
CMY	0.6195, 0.6275, 0.4549
CMYK	0.30, 0.32, 0.00, 0.45
HSL	243°, 19%, 46%
HSV	243°, 32%, 55%
XYZ	13.6854, 12.5899, 26.1390
YIQ	100.6140, -12.9320, 14.1080

Conversions

Conversions Part 2

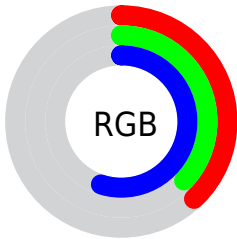
Format	Color
R_{YB}	97, 95, 139
Decimal	6381451
CIE _{Lab}	42.14, 11.47, -24.06
CIE _{LCh}	42, 26.654, 295.482
Yxy	12.5899, 0.2611, 0.2402
Android (android.graphics.Color)	4284571531 (0xFF615F8B)
YUV	100.6140, 18.9243, -3.1695
Hunter-Lab	35.4822, 6.7528, -18.8400

Details

The Yxy color **12.5899, 0.2611, 0.2402** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.6102, 0.3563, 0.4057**, and the grayscale version is **12.8637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4906, 0.2741, 0.2600**, and **3.5709, 0.2360, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **9.6372, 0.2414, 0.2069**, and if you desaturate by 10%, it is **16.1122, 0.2794, 0.2714**.

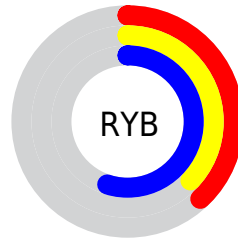
Distribution



Red (38%)

Green (37%)

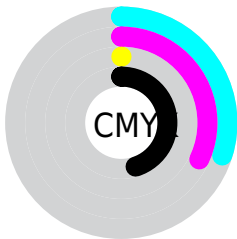
Blue (55%)



Red (38%)

Yellow (37%)

Blue (55%)

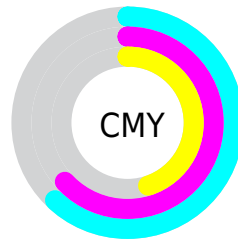


Cyan (30%)

Magenta (32%)

Yellow (0%)

Black (45%)



Cyan (62%)

Magenta (63%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5899, 0.2611, 0.2402 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 12.5899, 0.2611, 0.2402 by changing the saturation by 10% instead.

■ 12.5899, 0.2611,
0.2402

■ 12.5899, 0.2611,
0.2402

208.2724, 0.2924,
0.2916

■ 7.1468, 0.2508,
0.2245

■ 30.5650, 0.2741,
0.2609

■ 3.5541, 0.2356,
0.2025

■ 43.8658, 0.2785,
0.2680

■ 1.4274, 0.2116,
0.1697

■ 60.5546, 0.2820,
0.2738

■ 0.2368, 0.1657,
0.0777

■ 81.0158, 0.2848,
0.2786

■ 0.0000, 0.0000,
0.0000

105.6338, 0.2872,
0.2826

134.7929, 0.2892,

0.2861

168.8777, 0.2909,
0.2890

■ 12.5899, 0.2611,
0.2402

■ 12.5899, 0.2611,
0.2402

■ 9.6372, 0.2414,
0.2069

■ 16.1122, 0.2794,
0.2714

■ 7.2228, 0.2211,
0.1728

■ 20.2303, 0.2959,
0.2998

■ 5.3146, 0.2012,
0.1398

■ 24.9704, 0.3105,
0.3251

■ 3.8766, 0.1831,
0.1103

■ 30.3570, 0.3232,
0.3473

■ 2.8681, 0.1683,
0.0866

■ 36.4129, 0.3342,
0.3666

■ 2.2412, 0.1578,
0.0703

■ 43.1601, 0.3437,
0.3834

■ 1.9061, 0.1520,
0.0611

■ 50.6194, 0.3519,
0.3979

■ 58.8110, 0.3589,
0.4104

■ 67.7539, 0.3649,
0.4212

Harmonies

Analogous

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



12.5899, 0.2243, 0.2421



12.5899, 0.2611, 0.2402



12.5899, 0.3150, 0.2576

Triad

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



12.5899, 0.2611, 0.2402



12.5899, 0.4273, 0.3772



12.5899, 0.2514, 0.3702

Complementary

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



12.5899, 0.2611, 0.2402



24.6102, 0.3563, 0.4057

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.



12.5899, 0.3022, 0.4186



12.5899, 0.2611, 0.2402



12.5899, 0.4049, 0.4155

Square

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



12.5899, 0.2611, 0.2402



12.5899, 0.4161, 0.3325



12.5899, 0.3585, 0.4341



12.5899, 0.2188, 0.3116

Rectangle

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



12.5899, 0.2611, 0.2402



12.5899, 0.3546, 0.2780



12.5899, 0.3585, 0.4341



12.5899, 0.2668, 0.3889

Sweetspot

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



12.5904, 0.2611, 0.2402



37.3828, 0.2981, 0.3037



22.3431, 0.2686, 0.3261



8.3844, 0.2962, 0.3004



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.



12.5904, 0.2611, 0.2402



18.6571, 0.2471, 0.2165



13.9315, 0.2884, 0.2467



4.9026, 0.2997, 0.3065



1.7221, 0.1521, 0.0612



0.0127, 0.1619, 0.0666

Inverse Universe

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



15.4779, 0.3190, 0.2564



24.6822, 0.3206, 0.2404



22.9757, 0.3310, 0.4125



5.1250, 0.3144, 0.3084



6.4719, 0.3325, 0.1606



0.0436, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 12.5899, 0.2611, 0.2402 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 12.5899, 0.2611, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

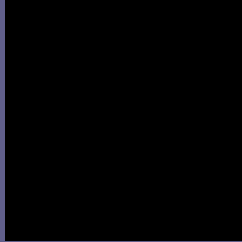
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5899, 0.2611, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 12.5899, 0.2611, 0.2402.



This preview shows how white text looks on a background with the Yxy color 12.5899, 0.2611, 0.2402.

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

12.5899, 0.2611, 0.2402

Protanopia

12.6369, 0.2474, 0.2402

Deuteranopia

12.5488, 0.2502, 0.2454



Tritanopia

12.6356, 0.2885, 0.3108

Trichromacy



Original Color

12.5899, 0.2611, 0.2402

Protanomaly

12.6165, 0.2524, 0.2408

Deuteranomaly

12.5580, 0.2544, 0.2442

Tritanomaly

12.6069, 0.2777, 0.2831

Monochromacy



Original Color

12.5899, 0.2611, 0.2402

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8708, 0.2931, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5899, 0.2611, 0.2402 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 $rgb(97, 95, 139)$ looks like.

```
.text, #text, p{  
    color:rgb(97, 95, 139)  
}
```

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(97, 95, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 95, 139) }
```

Border

The CSS property to change the border of an element to Yxy 12.5899, 0.2611, 0.2402 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(97, 95, 139) }
```

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

```
.border{ border-color:rgb(97, 95, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 95, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 95, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 95, 139);  
box-shadow:4px 4px 4px 4px rgb(97, 95,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5899, 0.2611, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 95, 139) }
```

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

```
.background{ background-color: rgb(97, 95,  
139) }
```

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