

Converting Colors

$Y_{xy}(14.0113, 0.2526, 0.2167)$

Have a look what the booklet for
Yxy(14.0113, 0.2526, 0.2167)
contains.

Yxy(14.0822, 0.2534, 0.2177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.0822, 0.2534, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	6A619E
RGB	106, 97, 158
RGB Percent	42%, 38%, 62%
CMY	0.5843, 0.6196, 0.3803
CMYK	0.33, 0.39, 0.00, 0.38
HSL	249°, 24%, 50%
HSV	249°, 39%, 62%
XYZ	16.3915, 14.0822, 34.2126
YIQ	106.6450, -14.2170, 20.8790

Conversions

Conversions Part 2

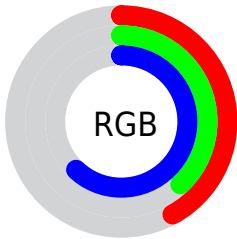
Format	Color
R_{YB}	106, 97, 158
Decimal	6971806
CIE _{Lab}	44.35, 18.18, -31.92
CIE _{LCh}	44, 36.730, 299.665
Yxy	14.0822, 0.2534, 0.2177
Android (android.graphics.Color)	4285161886 (0xFF6A619E)
YUV	106.6450, 25.3180, -0.5657
Hunter-Lab	37.5263, 12.2980, -27.7861

Details

The Yxy color **14.0822, 0.2534, 0.2177** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.7167, 0.3594, 0.4256**, and the grayscale version is **14.5318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3548, 0.2680, 0.2422**, and **4.2490, 0.2272, 0.1783** is the 20% darker color. If you saturate the color by 10%, you get **10.6861, 0.2345, 0.1843**, and if you desaturate by 10%, it is **18.1907, 0.2712, 0.2500**.

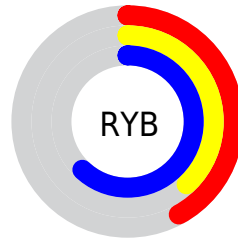
Distribution



Red (42%)

Green (38%)

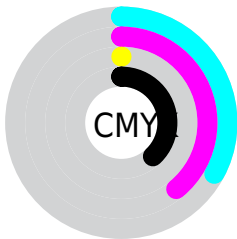
Blue (62%)



Red (42%)

Yellow (38%)

Blue (62%)

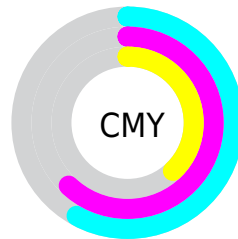


Cyan (33%)

Magenta (39%)

Yellow (0%)

Black (38%)



Cyan (58%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.0822, 0.2534, 0.2177 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 14.0822, 0.2534, 0.2177 by changing the saturation by 10% instead.

■ 14.0822, 0.2534,
0.2177

■ 14.0822, 0.2534,
0.2177

■ 217.7416, 0.2889,
0.2797

■ 8.1779, 0.2422,
0.2002

■ 33.2348, 0.2679,
0.2418

■ 4.2090, 0.2263,
0.1767

■ 47.2519, 0.2729,
0.2503

■ 1.7911, 0.2021,
0.1439

■ 64.7419, 0.2768,
0.2574

■ 0.4816, 0.1648,
0.0879

■ 86.0895, 0.2801,
0.2633

■ 0.0000, 0.0000,
0.0000

■ 111.6788, 0.2828,
0.2684

■ 141.8943, 0.2851,

0.2727

177.1205, 0.2871,
0.2764

■ 14.0822, 0.2534,
0.2177

■ 14.0822, 0.2534,
0.2177

■ 10.6861, 0.2345,
0.1843

■ 18.1907, 0.2712,
0.2500

■ 7.9601, 0.2152,
0.1514

■ 23.0476, 0.2874,
0.2802

■ 5.8598, 0.1968,
0.1212

■ 28.6882, 0.3018,
0.3077

■ 4.3346, 0.1803,
0.0958

■ 35.1452, 0.3143,
0.3322

■ 3.3260, 0.1671,
0.0771

■ 42.4494, 0.3252,
0.3539

■ 2.7257, 0.1577,
0.0651

■ 50.6300, 0.3346,
0.3728

■ 2.6553, 0.1566,
0.0637

■ 59.7148, 0.3426,
0.3894

■ 69.7303, 0.3494,
0.4038

■ 80.7021, 0.3552,
0.4163

Harmonies

Analogous

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



14.0822, 0.2041, 0.2153



14.0822, 0.2534, 0.2177



14.0822, 0.3255, 0.2425

Triad

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



14.0822, 0.2534, 0.2177



14.0822, 0.4611, 0.3945



14.0822, 0.2243, 0.3726

Complementary

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



14.0822, 0.2534, 0.2177



31.7167, 0.3594, 0.4256

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.



14.0822, 0.2863, 0.4449



14.0822, 0.2534, 0.2177



14.0822, 0.4239, 0.4449

Square

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



14.0822, 0.2534, 0.2177



14.0822, 0.4548, 0.3382



14.0822, 0.3595, 0.4700



14.0822, 0.1884, 0.2935

Rectangle

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



14.0822, 0.2534, 0.2177



14.0822, 0.3781, 0.2693



14.0822, 0.3595, 0.4700



14.0822, 0.2426, 0.3997

Sweetspot

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



14.0827, 0.2534, 0.2177



48.2089, 0.2968, 0.2981



26.7875, 0.2583, 0.3146



10.5874, 0.2951, 0.2948



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.



14.0827, 0.2534, 0.2177



20.3710, 0.2378, 0.1900



16.2234, 0.2886, 0.2279



6.4799, 0.3009, 0.3060



2.1372, 0.1571, 0.0639



0.0499, 0.1842, 0.0788

Inverse Universe

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



17.9913, 0.3286, 0.2483



28.5167, 0.3328, 0.2319



29.2735, 0.3285, 0.4361



6.7377, 0.3159, 0.3101



7.2204, 0.3612, 0.1763



0.1333, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 14.0822, 0.2534, 0.2177 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 14.0822, 0.2534, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

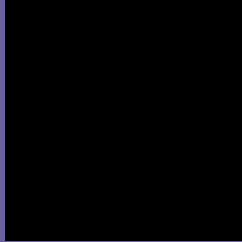
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0822, 0.2534, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 14.0822, 0.2534, 0.2177.

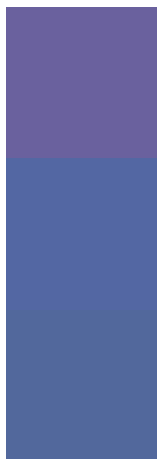


This preview shows how white text looks on a background with the Yxy color 14.0822, 0.2534, 0.2177.

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

14.0822, 0.2534, 0.2177

Protanopia

14.1838, 0.2284, 0.2155

Deuteranopia

14.0948, 0.2330, 0.2276



Tritanopia

14.0873, 0.2896, 0.3095

Trichromacy



Original Color

14.0822, 0.2534, 0.2177

Protanomaly

14.1047, 0.2364, 0.2165

Deuteranomaly

13.9658, 0.2396, 0.2223

Tritanomaly

14.0485, 0.2748, 0.2718

Monochromacy



Original Color

14.0822, 0.2534, 0.2177

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.3327, 0.2893, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0822, 0.2534, 0.2177 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(106, 97, 158)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 97, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 97, 158) }
```

Border

The CSS property to change the border of an element to Yxy 14.0822, 0.2534, 0.2177 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(106, 97, 158) }
```

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

```
.border{ border-color:rgb(106, 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(106, 97, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 97, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 97, 158);  
box-shadow:4px 4px 4px 4px rgb(106, 97,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0822, 0.2534, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 97, 158) }
```

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

```
.background{ background-color: rgb(106, 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](#).

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