

Converting Colors

$Y_{xy}(14.3227, 0.2706, 0.1932)$

Have a look what the booklet for
Yxy(14.3227, 0.2706, 0.1932)
contains.

Yxy(14.3048, 0.2703, 0.1931)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.3048, 0.2703, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	8455AA
RGB	132, 85, 170
RGB Percent	52%, 33%, 67%
CMY	0.4823, 0.6667, 0.3332
CMYK	0.22, 0.50, 0.00, 0.33
HSL	273°, 33%, 50%
HSV	273°, 50%, 67%
XYZ	20.0238, 14.3048, 39.7512
YIQ	108.7430, 0.7270, 36.3990

Conversions

Conversions Part 2

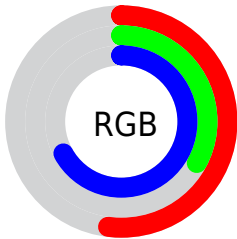
Format	Color
R_{YB}	132, 85, 170
Decimal	8672682
CIE _{Lab}	44.67, 36.02, -38.34
CIE _{LCh}	45, 52.607, 313.208
Yxy	14.3048, 0.2703, 0.1931
Android (android.graphics.Color)	4286862762 (0xFF8455AA)
YUV	108.7430, 30.1997, 20.3964
Hunter-Lab	37.8217, 28.3145, -35.8396

Details

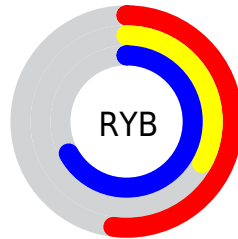
The Yxy color **14.3048, 0.2703, 0.1931** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **33.6281, 0.3377, 0.4695**, and the grayscale version is **15.1294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6641, 0.2814, 0.2202**, and **4.3130, 0.2495, 0.1499** is the 20% darker color. If you saturate the color by 10%, you get **11.3519, 0.2589, 0.1661**, and if you desaturate by 10%, it is **17.9467, 0.2809, 0.2215**.

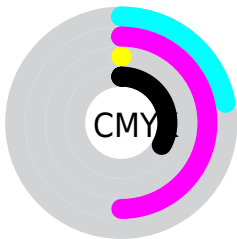
Distribution



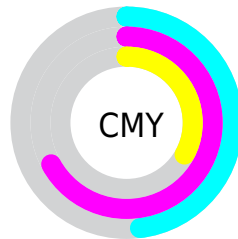
- Red (52%)
- Green (33%)
- Blue (67%)



- Red (52%)
- Yellow (33%)
- Blue (67%)



- Cyan (22%)
- Magenta (50%)
- Yellow (0%)
- Black (33%)




- Cyan (48%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3048, 0.2703, 0.1931 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 14.3048, 0.2703, 0.1931 by changing the saturation by 10% instead.


 14.3048, 0.2703,
0.1931


 14.3048, 0.2703,
0.1931


219.1188, 0.2970,
0.2657


 8.3330, 0.2615,
0.1740


 33.6289, 0.2815,
0.2204


 4.3087, 0.2487,
0.1494


 47.7499, 0.2852,
0.2304

 1.8477, 0.2291,
0.1170

 65.3561, 0.2882,
0.2387

 0.5167, 0.1981,
0.0687

 86.8319, 0.2906,
0.2458

 0.0000, 0.1135,
0.0000

 112.5617, 0.2926,
0.2519

 0.0000, 0.0000,
0.0000

142.9299, 0.2943,

0.2571

178.3208, 0.2957,
0.2617

■ 14.3048, 0.2703,
0.1931

■ 14.3048, 0.2703,
0.1931

■ 11.3519, 0.2589,
0.1661

■ 17.9467, 0.2809,
0.2215

■ 9.0385, 0.2471,
0.1418

■ 22.3189, 0.2905,
0.2501

■ 7.3110, 0.2353,
0.1215

■ 27.4616, 0.2991,
0.2780

■ 6.1058, 0.2241,
0.1061

■ 33.4115, 0.3064,
0.3044

■ 5.2844, 0.2136,
0.0950

■ 40.2026, 0.3127,
0.3290

■ 47.8672, 0.3180,
0.3515

■ 56.4358, 0.3224,
0.3720

■ 65.9374, 0.3261,
0.3905

■ 76.3997, 0.3291,
0.4070

Harmonies

Analogous

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



14.3048, 0.1913, 0.1758



14.3048, 0.2703, 0.1931



14.3048, 0.3795, 0.2354

Triad

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



14.3048, 0.2703, 0.1931



14.3048, 0.4943, 0.4390



14.3048, 0.1646, 0.3330

Complementary

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



14.3048, 0.2703, 0.1931



33.6281, 0.3377, 0.4695

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.



14.3048, 0.2295, 0.4587



14.3048, 0.2703, 0.1931



14.3048, 0.4189, 0.5076

Square

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



14.3048, 0.2703, 0.1931



14.3048, 0.5230, 0.3650



14.3048, 0.3231, 0.5302



14.3048, 0.1394, 0.2361

Rectangle

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



14.3048, 0.2703, 0.1931



14.3048, 0.4515, 0.2743



14.3048, 0.3231, 0.5302



14.3048, 0.1818, 0.3747

Sweetspot

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



14.3054, 0.2703, 0.1931



54.7391, 0.3027, 0.2907



19.0641, 0.2324, 0.2446



11.7230, 0.3011, 0.2852



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.3054, 0.2703, 0.1931



20.0852, 0.2577, 0.1633



17.7898, 0.3236, 0.2157



7.4973, 0.3069, 0.3063



3.9192, 0.2147, 0.0956



0.1250, 0.2499, 0.1150

Inverse Universe

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



16.4749, 0.3865, 0.2720



24.7533, 0.4122, 0.2617



31.4172, 0.3027, 0.4769



7.5960, 0.3219, 0.3189



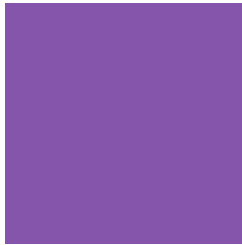
6.6813, 0.5143, 0.2607



0.1729, 0.4352, 0.2171

Previews

White Background



This preview shows how the Yxy color 14.3048, 0.2703, 0.1931 looks on a white background.

Color Contrast Check

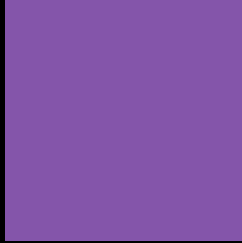
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3048, 0.2703, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

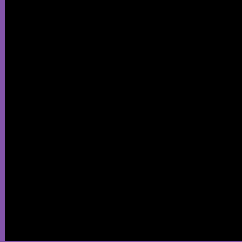
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3048, 0.2703, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 14.3048, 0.2703, 0.1931.



This preview shows how white text looks on a background with the Yxy color 14.3048, 0.2703, 0.1931.

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

14.3048, 0.2703, 0.1931

Protanopia

14.4816, 0.2028, 0.1820

Deuteranopia

14.5171, 0.2203, 0.2152



Tritanopia

14.3346, 0.3340, 0.3132

Trichromacy



Original Color

14.3048, 0.2703, 0.1931

Protanomaly

13.9261, 0.2207, 0.1826

Deuteranomaly

13.9583, 0.2347, 0.2040

Tritanomaly

14.2587, 0.3087, 0.2621

Monochromacy



Original Color

14.3048, 0.2703, 0.1931

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5349, 0.2963, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3048, 0.2703, 0.1931 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(132, 85, 170)` looks like.

```
.text, #text, p{  
    color:rgb(132, 85, 170)  
}
```

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(132, 85, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 85, 170) }
```

Border

The CSS property to change the border of an element to Yxy 14.3048, 0.2703, 0.1931 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(132, 85, 170) }
```

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

```
.border{ border-color:rgb(132, 85, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 85, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 85, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 85, 170);  
box-shadow:4px 4px 4px 4px rgb(132, 85,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3048, 0.2703, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 85, 170) }
```

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

```
.background{ background-color: rgb(132, 85,  
170) }
```

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