

Converting Colors

$Yxy(14.9387, 0.2795, 0.1465)$

Have a look what the booklet for
Yxy(14.9387, 0.2795, 0.1465)
contains.

Yxy(14.9387, 0.2795, 0.1465)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9387, 0.2795, 0.1465)

Conversions

Conversions Part 1

Format	Color
Hex	AA2FCC
RGB	170, 47, 204
RGB Percent	67%, 18%, 80%
CMY	0.3332, 0.8159, 0.1999
CMYK	0.17, 0.77, 0.00, 0.20
HSL	287°, 63%, 49%
HSV	287°, 77%, 80%
XYZ	28.5008, 14.9387, 58.5312
YIQ	101.6750, 22.9110, 74.9030

Conversions

Conversions Part 2

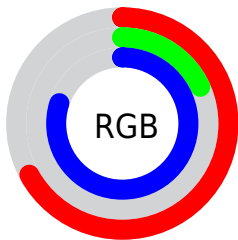
Format	Color
R_{YB}	170, 47, 204
Decimal	11153356
CIE _{Lab}	45.55, 69.36, -56.50
CIE _{LCh}	46, 89.461, 320.836
Yxy	14.9387, 0.2795, 0.1465
Android (android.graphics.Color)	4289343436 (0xFFAA2FCC)
YUV	101.6750, 50.4462, 59.9210
Hunter-Lab	38.6506, 63.9866, -62.7313

Details

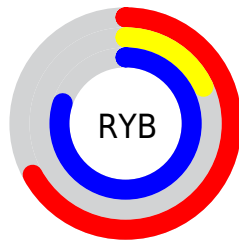
The Yxy color **14.9387, 0.2795, 0.1465** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **45.1556, 0.3160, 0.5594**, and the grayscale version is **13.0546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3934, 0.2953, 0.1826**, and **5.6806, 0.2614, 0.1214** is the 20% darker color. If you saturate the color by 10%, you get **13.1894, 0.2737, 0.1340**, and if you desaturate by 10%, it is **17.4674, 0.2853, 0.1634**.

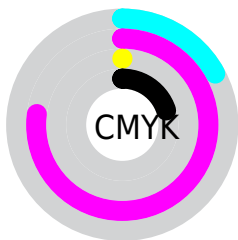
Distribution



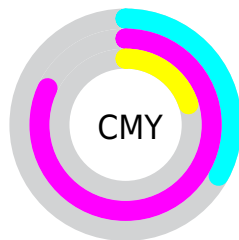
- Red (67%)
- Green (18%)
- Blue (80%)



- Red (67%)
- Yellow (18%)
- Blue (80%)



- Cyan (17%)
- Magenta (77%)
- Yellow (0%)
- Black (20%)




- Cyan (33%)
- Magenta (82%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9387, 0.2795, 0.1465 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 14.9387, 0.2795, 0.1465 by changing the saturation by 10% instead.


 14.9387, 0.2795,
0.1465


 14.9387, 0.2795,
0.1465


 222.9949, 0.3030,
0.2355


 8.7764, 0.2714,
0.1264


 34.7456, 0.2897,
0.1776


 4.5956, 0.2598,
0.1024


 49.1590, 0.2931,
0.1897


 2.0120, 0.2425,
0.0741


 67.0915, 0.2957,
0.2001

 0.6144, 0.2159,
0.0408

 88.9275, 0.2978,
0.2091

 0.0000, 0.1748,
0.0000

 115.0515, 0.2995,
0.2170

 0.0000, 0.0577,
0.0000

 145.8478, 0.3009,

 0.0000, 0.0000,

0.2239

0.0000

181.7008, 0.3021,
0.2301

■ 14.9387, 0.2795,
0.1465

■ 14.9387, 0.2795,
0.1465

■ 13.1894, 0.2737,
0.1340

■ 17.4674, 0.2853,
0.1634

■ 12.0918, 0.2680,
0.1261

■ 20.8678, 0.2908,
0.1843

■ 11.8210, 0.2663,
0.1241

■ 25.2214, 0.2960,
0.2081

■ 30.5995, 0.3006,
0.2337

■ 37.0667, 0.3047,
0.2601

■ 44.6820, 0.3081,
0.2864

■ 53.5003, 0.3110,
0.3119

■ 63.5730, 0.3134,
0.3361

■ 74.9483, 0.3153,
0.3587

Harmonies

Analogous

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



14.9387, 0.1560, 0.1169



14.9387, 0.2795, 0.1465



14.9387, 0.4651, 0.2066

Triad

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



14.9387, 0.2795, 0.1465



14.9387, 0.5265, 0.4735



14.9387, 0.0826, 0.2705

Complementary

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



14.9387, 0.2795, 0.1465



45.1556, 0.3160, 0.5594

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.



14.9387, 0.1419, 0.5028



14.9387, 0.2795, 0.1465



14.9387, 0.3931, 0.6069

Square

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



14.9387, 0.2795, 0.1465



14.9387, 0.6192, 0.3651



14.9387, 0.2563, 0.6692



14.9387, 0.0726, 0.1566

Rectangle

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



14.9387, 0.2795, 0.1465



14.9387, 0.5762, 0.2570



14.9387, 0.2563, 0.6692



14.9387, 0.0955, 0.3359

Sweetspot

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



14.9393, 0.2795, 0.1465



65.7888, 0.3060, 0.2699



10.8468, 0.1781, 0.1286



13.1418, 0.3047, 0.2602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



14.9393, 0.2795, 0.1465



20.6016, 0.2701, 0.1286



17.3930, 0.3822, 0.2063



11.2765, 0.3104, 0.3059



7.4792, 0.2671, 0.1245



0.4171, 0.2781, 0.1306

Inverse Universe

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



15.4648, 0.5252, 0.2963



22.2319, 0.5848, 0.3049



44.5697, 0.2851, 0.5149



11.2528, 0.3257, 0.3240



8.2067, 0.6012, 0.3085



0.4350, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 14.9387, 0.2795, 0.1465 looks on a white background.

Color Contrast Check

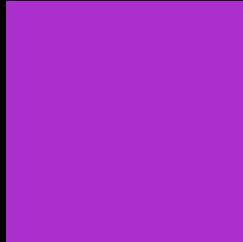
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9387, 0.2795, 0.1465 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 14.9387, 0.2795, 0.1465

Background



This preview shows how black text looks on a background with the Yxy color 14.9387, 0.2795, 0.1465.



This preview shows how white text looks on a background with the Yxy color 14.9387, 0.2795, 0.1465.

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

14.9387, 0.2795, 0.1465

Protanopia

15.3236, 0.1743, 0.1476

Deuteranopia

15.2536, 0.1868, 0.1813



Tritanopia

14.9395, 0.4093, 0.3193

Trichromacy



Original Color

14.9387, 0.2795, 0.1465



Protanomaly

12.2711, 0.1826, 0.1286



Deuteranomaly

12.5133, 0.1988, 0.1486



Tritanomaly

14.1204, 0.3555, 0.2355

Monochromacy



Original Color

14.9387, 0.2795, 0.1465



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.4107, 0.2998, 0.2265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9387, 0.2795, 0.1465 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(170, 47, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 47, 204)  
}
```

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(170, 47, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 47, 204) }
```

Border

The CSS property to change the border of an element to Yxy 14.9387, 0.2795, 0.1465 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(170, 47, 204) }
```

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

```
.border{ border-color:rgb(170, 47, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 47, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 47, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 47, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 47,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9387, 0.2795, 0.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 47, 204) }
```

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

```
.background{ background-color: rgb(170, 47,  
204) }
```

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