

Converting Colors

$Y_{xy}(14.8411, 0.2930, 0.1596)$

Have a look what the booklet for
Yxy(14.8411, 0.2930, 0.1596)
contains.

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Color

Yxy(14.8538, 0.2936, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	AA35BF
RGB	170, 53, 191
RGB Percent	67%, 21%, 75%
CMY	0.3333, 0.7922, 0.2509
CMYK	0.11, 0.72, 0.00, 0.25
HSL	291°, 57%, 48%
HSV	291°, 72%, 75%
XYZ	27.2567, 14.8538, 50.7257
YIQ	103.7150, 25.4340, 67.7220

Conversions

Conversions Part 2

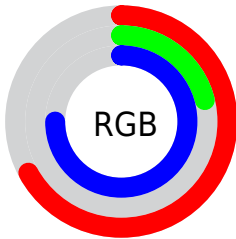
Format	Color
RYB	170, 53, 191
Decimal	11154879
CIELab	45.43, 64.92, -49.12
CIELCh	45, 81.414, 322.887
Yxy	14.8538, 0.2936, 0.1600
Android (android.graphics.Color)	4289344959 (0xFFAA35BF)
YUV	103.7150, 43.0315, 58.1319
Hunter-Lab	38.5406, 58.7928, -51.0568

Details

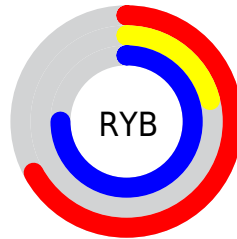
The Yxy color **14.8538, 0.2936, 0.1600** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **38.9779, 0.3121, 0.5505**, and the grayscale version is **13.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4232, 0.3003, 0.1896**, and **5.3836, 0.2798, 0.1315** is the 20% darker color. If you saturate the color by 10%, you get **13.1265, 0.2897, 0.1466**, and if you desaturate by 10%, it is **17.2831, 0.2974, 0.1776**.

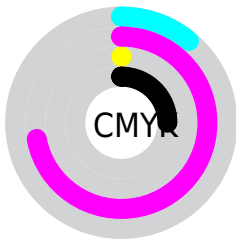
Distribution



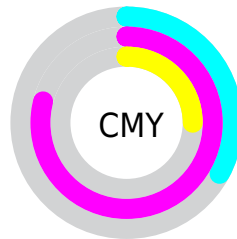
- Red (67%)
- Green (21%)
- Blue (75%)



- Red (67%)
- Yellow (21%)
- Blue (75%)



- Cyan (11%)
- Magenta (72%)
- Yellow (0%)
- Black (25%)





- Cyan (33%)
- Magenta (79%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8538, 0.2936, 0.1600 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 14.8538, 0.2936, 0.1600 by changing the saturation by 10% instead.


 14.8538, 0.2936,
0.1600


 14.8538, 0.2936,
0.1600


222.4796, 0.3089,
0.2445


 8.7168, 0.2877,
0.1401


 34.5965, 0.3007,
0.1901


 4.5570, 0.2788,
0.1157


 48.9710, 0.3029,
0.2017


 1.9897, 0.2647,
0.0861


 66.8602, 0.3045,
0.2115

 0.6015, 0.2418,
0.0491

 88.6484, 0.3058,
0.2200

 0.0000, 0.2033,
0.0000

 114.7201, 0.3069,
0.2273

 0.0000, 0.0271,
0.0000

145.4596, 0.3077,

 0.0000, 0.0000,

0.2338

0.0000

181.2513, 0.3083,
0.2395

■ 14.8538, 0.2936,
0.1600

■ 14.8538, 0.2936,
0.1600

■ 13.1265, 0.2897,
0.1466

■ 17.2831, 0.2974,
0.1776

■ 12.0112, 0.2857,
0.1377

■ 20.4864, 0.3009,
0.1987

■ 11.4379, 0.2826,
0.1331

■ 24.5285, 0.3040,
0.2223

■ 29.4670, 0.3067,
0.2475

■ 35.3545, 0.3090,
0.2734

■ 42.2393, 0.3109,
0.2989

■ 50.1665, 0.3124,
0.3236

■ 59.1785, 0.3136,
0.3470

■ 69.3152, 0.3144,
0.3687

Harmonies

Analogous

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



14.8538, 0.1719, 0.1289



14.8538, 0.2936, 0.1600



14.8538, 0.4651, 0.2201

Triad

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



14.8538, 0.2936, 0.1600



14.8538, 0.5153, 0.4847



14.8538, 0.0937, 0.2676

Complementary

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



14.8538, 0.2936, 0.1600



38.9779, 0.3121, 0.5505

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.



14.8538, 0.1501, 0.4705



14.8538, 0.2936, 0.1600



14.8538, 0.3897, 0.6008

Square

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



14.8538, 0.2936, 0.1600



14.8538, 0.5983, 0.3778



14.8538, 0.2593, 0.6343



14.8538, 0.0844, 0.1644

Rectangle

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



14.8538, 0.2936, 0.1600



14.8538, 0.5631, 0.2698



14.8538, 0.2593, 0.6343



14.8538, 0.1061, 0.3250

Sweetspot

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



14.8544, 0.2936, 0.1600



63.2104, 0.3090, 0.2731



9.6865, 0.1828, 0.1316



13.2077, 0.3084, 0.2660



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



14.8544, 0.2936, 0.1600



22.1664, 0.2872, 0.1406



15.6672, 0.3877, 0.2180



9.6208, 0.3114, 0.3062



7.5442, 0.2832, 0.1334



0.3157, 0.2928, 0.1387

Inverse Universe

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



14.1171, 0.5211, 0.3066



21.2597, 0.5859, 0.3117



38.9230, 0.2815, 0.4901



9.5594, 0.3265, 0.3255



7.3454, 0.6167, 0.3171



0.2953, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 14.8538, 0.2936, 0.1600 looks on a white background.

Color Contrast Check

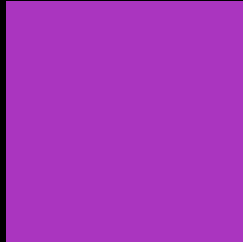
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8538, 0.2936, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

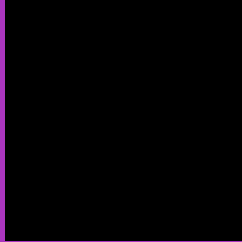
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8538, 0.2936, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 14.8538, 0.2936, 0.1600.



This preview shows how white text looks on a background with the Yxy color 14.8538, 0.2936, 0.1600.

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

14.8538, 0.2936, 0.1600

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.1845, 0.2022, 0.1968



Tritanopia

14.7748, 0.4170, 0.3194

Trichromacy



Original Color

14.8538, 0.2936, 0.1600



Protanomaly

12.1743, 0.1844, 0.1331



Deuteranomaly

13.2442, 0.2222, 0.1695



Tritanomaly

14.2985, 0.3681, 0.2462

Monochromacy



Original Color

14.8538, 0.2936, 0.1600



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

12.8638, 0.3053, 0.2366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8538, 0.2936, 0.1600 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, 53, 191)` looks like.

```
.text, #text, p{  
    color:rgb(170, 53, 191)  
}
```

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, 53, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 53, 191) }
```

Border

The CSS property to change the border of an element to Yxy 14.8538, 0.2936, 0.1600 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, 53, 191) }
```

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

```
.border{ border-color:rgb(170, 53, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 53, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 53, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 53, 191);  
box-shadow:4px 4px 4px 4px rgb(170, 53,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8538, 0.2936, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 53, 191) }
```

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

```
.background{ background-color: rgb(170, 53,  
191) }
```

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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