

Converting Colors

$Y_{xy}(13.7059, 0.2707, 0.1775)$

Have a look what the booklet for
Yxy(13.7059, 0.2707, 0.1775)
contains.

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Color

Yxy(13.7067, 0.2707, 0.1775)

Conversions

Conversions Part 1

Format	Color
Hex	8A4CB0
RGB	138, 76, 176
RGB Percent	54%, 30%, 69%
CMY	0.4587, 0.7020, 0.3099
CMYK	0.22, 0.57, 0.00, 0.31
HSL	277°, 40%, 49%
HSV	277°, 57%, 69%
XYZ	20.9037, 13.7067, 42.6105
YIQ	105.9380, 4.8520, 44.2440

Conversions

Conversions Part 2

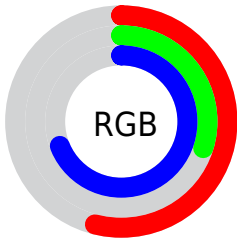
Format	Color
R_{YB}	138, 76, 176
Decimal	9063600
CIE _{Lab}	43.81, 44.01, -43.17
CIE _{LCh}	44, 61.649, 315.551
Yxy	13.7067, 0.2707, 0.1775
Android (android.graphics.Color)	4287253680 (0xFF8A4CB0)
YUV	105.9380, 34.5406, 28.1184
Hunter-Lab	37.0226, 35.9952, -42.3230

Details

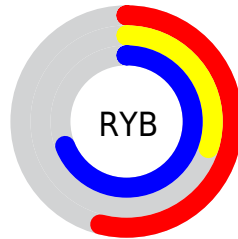
The Yxy color **13.7067, 0.2707, 0.1775** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **35.1410, 0.3334, 0.4931**, and the grayscale version is **14.2982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4743, 0.2826, 0.2066**, and **4.0566, 0.2486, 0.1315** is the 20% darker color. If you saturate the color by 10%, you get **11.0528, 0.2607, 0.1534**, and if you desaturate by 10%, it is **17.0599, 0.2802, 0.2040**.

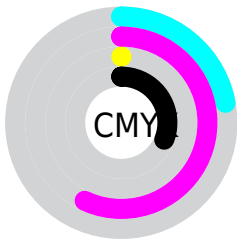
Distribution



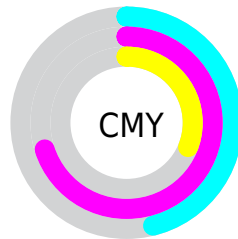
- Red (54%)
- Green (30%)
- Blue (69%)



- Red (54%)
- Yellow (30%)
- Blue (69%)



- Cyan (22%)
- Magenta (57%)
- Yellow (0%)
- Black (31%)





- Cyan (46%)
- Magenta (70%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7067, 0.2707, 0.1775 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 13.7067, 0.2707, 0.1775 by changing the saturation by 10% instead.


 13.7067, 0.2707,
0.1775


 13.7067, 0.2707,
0.1775


215.3985, 0.2978,
0.2571

 7.9170, 0.2616,
0.1573


 32.5677, 0.2822,
0.2069


 4.0419, 0.2483,
0.1317


 46.4077, 0.2860,
0.2179


 1.6970, 0.2281,
0.0992

 63.7000, 0.2891,
0.2271

 0.4217, 0.1970,
0.0504

 84.8289, 0.2915,
0.2349

 0.0000, 0.1253,
0.0000

 110.1788, 0.2935,
0.2416

 0.0000, 0.0000,
0.0000

140.1341, 0.2952,

0.2475

175.0792, 0.2966,
0.2526

■ 13.7067, 0.2707,
0.1775

■ 13.7067, 0.2707,
0.1775

■ 11.0528, 0.2607,
0.1534

■ 17.0599, 0.2802,
0.2040

■ 9.0404, 0.2505,
0.1330

■ 21.1607, 0.2889,
0.2318

■ 7.6049, 0.2405,
0.1171

■ 26.0548, 0.2967,
0.2596

■ 6.6545, 0.2310,
0.1061

■ 31.7837, 0.3035,
0.2867

■ 6.3963, 0.2280,
0.1030

■ 38.3860, 0.3093,
0.3124

■ 45.8979, 0.3142,
0.3364

■ 54.3534, 0.3183,
0.3585

■ 63.7848, 0.3216,
0.3785

■ 74.2228, 0.3244,
0.3967

Harmonies

Analogous

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



13.7067, 0.1788, 0.1561



13.7067, 0.2707, 0.1775



13.7067, 0.4010, 0.2258

Triad

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



13.7067, 0.2707, 0.1775



13.7067, 0.5112, 0.4520



13.7067, 0.1382, 0.3191

Complementary

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



13.7067, 0.2707, 0.1775



35.1410, 0.3334, 0.4931

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.



13.7067, 0.2052, 0.4758



13.7067, 0.2707, 0.1775



13.7067, 0.4184, 0.5370

Square

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



13.7067, 0.2707, 0.1775



13.7067, 0.5565, 0.3680



13.7067, 0.3087, 0.5695



13.7067, 0.1164, 0.2123

Rectangle

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



13.7067, 0.2707, 0.1775



13.7067, 0.4856, 0.2692



13.7067, 0.3087, 0.5695



13.7067, 0.1552, 0.3691

Sweetspot

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



13.7072, 0.2707, 0.1775



57.1224, 0.3032, 0.2855



16.7779, 0.2189, 0.2177



11.9182, 0.3019, 0.2803



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.7072, 0.2707, 0.1775



19.0826, 0.2583, 0.1482



17.0882, 0.3342, 0.2098



8.4824, 0.3079, 0.3061



4.7283, 0.2290, 0.1035



0.1809, 0.2551, 0.1179

Inverse Universe

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



15.6102, 0.4140, 0.2748



23.2483, 0.4502, 0.2677



33.2801, 0.2976, 0.4891



8.5569, 0.3230, 0.3204



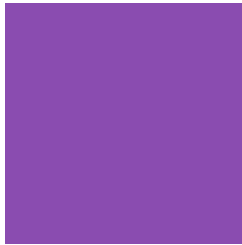
7.0787, 0.5425, 0.2762



0.2343, 0.4667, 0.2345

Previews

White Background



This preview shows how the Yxy color 13.7067, 0.2707, 0.1775 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 13.7067, 0.2707, 0.1775 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 13.7067, 0.2707, 0.1775

Background



This preview shows how black text looks on a background with the Yxy color 13.7067, 0.2707, 0.1775.



This preview shows how white text looks on a background with the Yxy color 13.7067, 0.2707, 0.1775.

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

13.7067, 0.2707, 0.1775

Protanopia

14.0583, 0.1868, 0.1620

Deuteranopia

13.8270, 0.2088, 0.2034



Tritanopia

13.5993, 0.3489, 0.3133

Trichromacy



Original Color

13.7067, 0.2707, 0.1775

Protanomaly

13.0781, 0.2045, 0.1625

Deuteranomaly

13.1576, 0.2252, 0.1891

Tritanomaly

13.3370, 0.3163, 0.2522

Monochromacy



Original Color

13.7067, 0.2707, 0.1775

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.6747, 0.2976, 0.2599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7067, 0.2707, 0.1775 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(138, 76, 176)` looks like.

```
.text, #text, p{  
    color:rgb(138, 76, 176)  
}
```

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(138, 76, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 76, 176) }
```

Border

The CSS property to change the border of an element to Yxy 13.7067, 0.2707, 0.1775 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(138, 76, 176) }
```

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

```
.border{ border-color:rgb(138, 76, 176) }
```

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

Here you see how a box with a 4 pixel rgb(138, 76, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 76, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 76, 176);  
box-shadow:4px 4px 4px 4px rgb(138, 76,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7067, 0.2707, 0.1775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 76, 176) }
```

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

```
.background{ background-color: rgb(138, 76,  
176) }
```

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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