

Converting Colors

$Y_{xy}(13.6233, 0.2703, 0.1752)$

Have a look what the booklet for
Yxy(13.6233, 0.2703, 0.1752)
contains.

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Color

Yxy(13.6954, 0.2708, 0.1758)

Conversions

Conversions Part 1

Format	Color
Hex	8B4BB1
RGB	139, 75, 177
RGB Percent	55%, 29%, 69%
CMY	0.4549, 0.7058, 0.3060
CMYK	0.21, 0.58, 0.00, 0.31
HSL	278°, 40%, 49%
HSV	278°, 58%, 69%
XYZ	21.0962, 13.6954, 43.1117
YIQ	105.7640, 5.4020, 45.2900

Conversions

Conversions Part 2

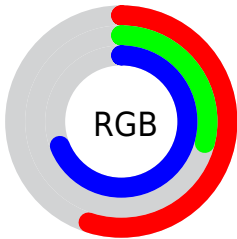
Format	Color
R_{YB}	139, 75, 177
Decimal	9128881
CIE _{Lab}	43.79, 45.00, -43.77
CIE _{LCh}	44, 62.779, 315.796
Yxy	13.6954, 0.2708, 0.1758
Android (android.graphics.Color)	4287318961 (0xFF8B4BB1)
YUV	105.7640, 35.1193, 29.1480
Hunter-Lab	37.0073, 36.9921, -43.1648

Details

The Yxy color **13.6954, 0.2708, 0.1758** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **35.4516, 0.3328, 0.4959**, and the grayscale version is **14.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6640, 0.2827, 0.2061**, and **4.0398, 0.2472, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **11.0691, 0.2609, 0.1521**, and if you desaturate by 10%, it is **17.0247, 0.2802, 0.2021**.

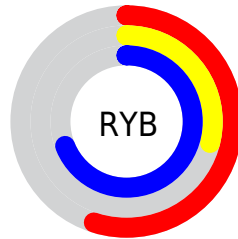
Distribution



Red (55%)

Green (29%)

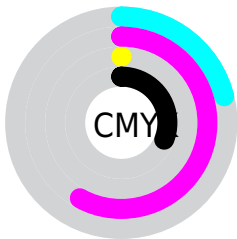
Blue (69%)



Red (55%)

Yellow (29%)

Blue (69%)

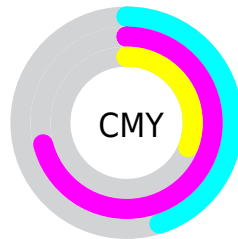


Cyan (21%)

Magenta (58%)

Yellow (0%)

Black (31%)



Cyan (45%)


Magenta (71%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6954, 0.2708, 0.1758 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 13.6954, 0.2708, 0.1758 by changing the saturation by 10% instead.


 13.6954, 0.2708,
0.1758


 13.6954, 0.2708,
0.1758


215.3276, 0.2979,
0.2561


 7.9091, 0.2617,
0.1555


 32.5476, 0.2823,
0.2054

 4.0368, 0.2484,
0.1299


 46.3823, 0.2862,
0.2164


 1.6942, 0.2282,
0.0975

 63.6685, 0.2892,
0.2257

 0.4199, 0.1972,
0.0492

 84.7908, 0.2916,
0.2336

 0.0000, 0.1279,
0.0000

 110.1334, 0.2936,
0.2404

 0.0000, 0.0000,
0.0000

140.0808, 0.2953,

0.2463

175.0174, 0.2967,
0.2515

■ 13.6954, 0.2708,
0.1758

■ 13.6954, 0.2708,
0.1758

■ 11.0691, 0.2609,
0.1521

■ 17.0247, 0.2802,
0.2021

■ 9.0866, 0.2509,
0.1321

■ 21.1063, 0.2888,
0.2297

■ 7.6816, 0.2411,
0.1168

■ 25.9869, 0.2964,
0.2575

■ 6.7510, 0.2318,
0.1062

■ 31.7088, 0.3032,
0.2846

■ 6.5562, 0.2296,
0.1038

■ 38.3113, 0.3089,
0.3105

■ 45.8313, 0.3138,
0.3346

■ 54.3034, 0.3178,
0.3568

■ 63.7603, 0.3212,
0.3771

■ 74.2335, 0.3239,
0.3954

Harmonies

Analogous

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



13.6954, 0.1774, 0.1539



13.6954, 0.2708, 0.1758



13.6954, 0.4036, 0.2248

Triad

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



13.6954, 0.2708, 0.1758



13.6954, 0.5128, 0.4533



13.6954, 0.1353, 0.3173

Complementary

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



13.6954, 0.2708, 0.1758



35.4516, 0.3328, 0.4959

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.



13.6954, 0.2023, 0.4776



13.6954, 0.2708, 0.1758



13.6954, 0.4180, 0.5403

Square

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



13.6954, 0.2708, 0.1758



13.6954, 0.5602, 0.3681



13.6954, 0.3068, 0.5741



13.6954, 0.1140, 0.2096

Rectangle

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



13.6954, 0.2708, 0.1758



13.6954, 0.4896, 0.2686



13.6954, 0.3068, 0.5741



13.6954, 0.1522, 0.3682

Sweetspot

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



13.6959, 0.2708, 0.1758



57.1647, 0.3034, 0.2855



16.7265, 0.2176, 0.2158



11.9283, 0.3021, 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.



13.6959, 0.2708, 0.1758



18.8137, 0.2584, 0.1466



17.0974, 0.3345, 0.2084



8.4854, 0.3080, 0.3061



4.7873, 0.2306, 0.1044



0.1825, 0.2563, 0.1185

Inverse Universe

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



15.5701, 0.4176, 0.2752



22.8805, 0.4551, 0.2686



33.6163, 0.2975, 0.4917



8.5559, 0.3231, 0.3205



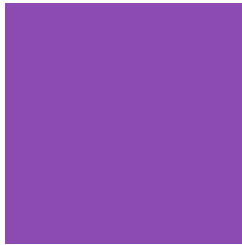
7.0676, 0.5453, 0.2778



0.2339, 0.4688, 0.2356

Previews

White Background



This preview shows how the Yxy color 13.6954, 0.2708, 0.1758 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 13.6954, 0.2708, 0.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

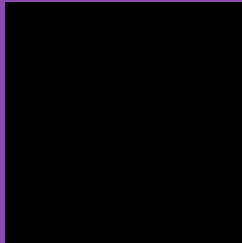
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6954, 0.2708, 0.1758

Background



This preview shows how black text looks on a background with the Yxy color 13.6954, 0.2708, 0.1758.



This preview shows how white text looks on a background with the Yxy color 13.6954, 0.2708, 0.1758.

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

13.6954, 0.2708, 0.1758

Protanopia

13.8709, 0.1843, 0.1581

Deuteranopia

13.8330, 0.2077, 0.2019



Tritanopia

13.6558, 0.3520, 0.3154

Trichromacy



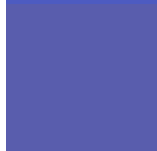
Original Color

13.6954, 0.2708, 0.1758



Protanomaly

12.9102, 0.2018, 0.1586



Deuteranomaly

12.9697, 0.2233, 0.1859



Tritanomaly

13.3897, 0.3192, 0.2542

Monochromacy



Original Color

13.6954, 0.2708, 0.1758



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.7019, 0.2963, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6954, 0.2708, 0.1758 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(139, 75, 177)` looks like.

```
.text, #text, p{  
    color:rgb(139, 75, 177)  
}
```

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(139, 75, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 75, 177) }
```

Border

The CSS property to change the border of an element to Yxy 13.6954, 0.2708, 0.1758 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(139, 75, 177) }
```

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

```
.border{ border-color:rgb(139, 75, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 75, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 75, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 75, 177);  
box-shadow:4px 4px 4px 4px rgb(139, 75,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6954, 0.2708, 0.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 75, 177) }
```

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

```
.background{ background-color: rgb(139, 75,  
177) }
```

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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