

Converting Colors

$Y_{xy}(11.3567, 0.2681, 0.1659)$

Have a look what the booklet for
Yxy(11.3567, 0.2681, 0.1659)
contains.

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Color

Yxy(11.3567, 0.2681, 0.1659)

Conversions

Conversions Part 1

Format	Color
Hex	8340A9
RGB	131, 64, 169
RGB Percent	51%, 25%, 66%
CMY	0.4863, 0.7490, 0.3374
CMYK	0.22, 0.62, 0.00, 0.34
HSL	278°, 45%, 46%
HSV	278°, 62%, 66%
XYZ	18.3528, 11.3567, 38.7456
YIQ	96.0030, 6.2270, 46.8590

Conversions

Conversions Part 2

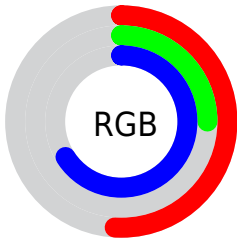
Format	Color
R_{YB}	131, 64, 169
Decimal	8601769
CIE _{Lab}	40.17, 46.86, -44.87
CIE _{LCh}	40, 64.882, 316.242
Yxy	11.3567, 0.2681, 0.1659
Android (android.graphics.Color)	4286791849 (0xFF8340A9)
YUV	96.0030, 35.9875, 30.6924
Hunter-Lab	33.6997, 38.2364, -44.5777

Details

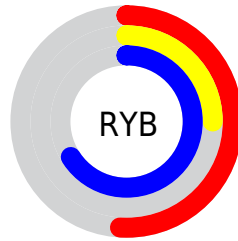
The Yxy color **11.3567, 0.2681, 0.1659** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **31.5583, 0.3320, 0.5090**, and the grayscale version is **11.6092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2625, 0.2811, 0.1976**, and **3.0124, 0.2415, 0.1155** is the 20% darker color. If you saturate the color by 10%, you get **9.2575, 0.2585, 0.1439**, and if you desaturate by 10%, it is **14.0629, 0.2774, 0.1909**.

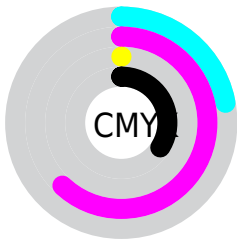
Distribution



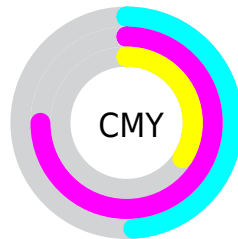
- Red (51%)
- Green (25%)
- Blue (66%)



- Red (51%)
- Yellow (25%)
- Blue (66%)



- Cyan (22%)
- Magenta (62%)
- Yellow (0%)
- Black (34%)




- Cyan (49%)
- Magenta (75%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3567, 0.2681, 0.1659 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 11.3567, 0.2681, 0.1659 by changing the saturation by 10% instead.


 11.3567, 0.2681,
0.1659


 11.3567, 0.2681,
0.1659


200.0986, 0.2977,
0.2526


 6.3073, 0.2577,
0.1438


 28.3179, 0.2810,
0.1981


 3.0328, 0.2424,
0.1159


 40.9985, 0.2851,
0.2100

 1.1489, 0.2185,
0.0811

 56.9916, 0.2884,
0.2201

 0.0194, 0.1863,
0.0030

 76.6816, 0.2910,
0.2286

 0.0000, 0.0452,
0.0000

 100.4529, 0.2932,
0.2359

 0.0000, 0.0000,
0.0000

128.6899, 0.2950,

0.2422

161.7770, 0.2965,
0.2477

■ 11.3567, 0.2681,
0.1659

■ 11.3567, 0.2681,
0.1659

■ 9.2575, 0.2585,
0.1439

■ 14.0629, 0.2774,
0.1909

■ 7.7094, 0.2488,
0.1261

■ 17.4225, 0.2860,
0.2178

■ 6.6483, 0.2394,
0.1131

■ 21.4787, 0.2938,
0.2455

■ 6.0421, 0.2323,
0.1054

■ 26.2709, 0.3007,
0.2728

■ 31.8351, 0.3067,
0.2991

■ 38.2051, 0.3118,
0.3240

■ 45.4127, 0.3160,
0.3470

■ 53.4878, 0.3195,
0.3681

■ 62.4589, 0.3223,
0.3873

Harmonies

Analogous

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



11.3567, 0.1684, 0.1426



11.3567, 0.2681, 0.1659



11.3567, 0.4137, 0.2174

Triad

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



11.3567, 0.2681, 0.1659



11.3567, 0.5242, 0.4582



11.3567, 0.1212, 0.3113

Complementary

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



11.3567, 0.2681, 0.1659



31.5583, 0.3320, 0.5090

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.



11.3567, 0.1894, 0.4922



11.3567, 0.2681, 0.1659



11.3567, 0.4191, 0.5570

Square

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



11.3567, 0.2681, 0.1659



11.3567, 0.5793, 0.3660



11.3567, 0.2991, 0.5999



11.3567, 0.1013, 0.1972

Rectangle

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



11.3567, 0.2681, 0.1659



11.3567, 0.5082, 0.2633



11.3567, 0.2991, 0.5999



11.3567, 0.1380, 0.3677

Sweetspot

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



11.3571, 0.2681, 0.1659



49.6949, 0.3025, 0.2803



13.5544, 0.2100, 0.2022



10.2654, 0.3008, 0.2729



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



11.3571, 0.2681, 0.1659



15.2997, 0.2543, 0.1359



14.4655, 0.3391, 0.2035



7.5289, 0.3082, 0.3064



4.5359, 0.2332, 0.1058



0.1377, 0.2631, 0.1223

Inverse Universe

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



13.0586, 0.4321, 0.2741



19.0446, 0.4771, 0.2695



30.0051, 0.2958, 0.5022



7.5855, 0.3231, 0.3209



6.5482, 0.5488, 0.2797



0.1691, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 11.3567, 0.2681, 0.1659 looks on a white background.

Color Contrast Check

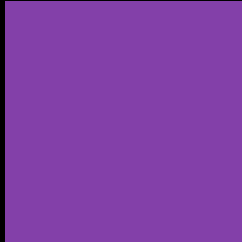
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3567, 0.2681, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

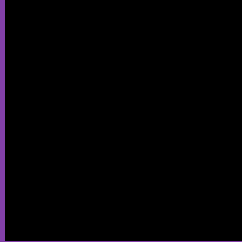
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3567, 0.2681, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 11.3567, 0.2681, 0.1659.



This preview shows how white text looks on a background with the Yxy color 11.3567, 0.2681, 0.1659.

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

11.3567, 0.2681, 0.1659

Protanopia

11.5944, 0.1744, 0.1479

Deuteranopia

11.5680, 0.1989, 0.1938



Tritanopia

11.3678, 0.3572, 0.3145

Trichromacy



Original Color

11.3567, 0.2681, 0.1659

Protanomaly

10.2081, 0.1844, 0.1437

Deuteranomaly

10.5938, 0.2139, 0.1751

Tritanomaly

11.0402, 0.3198, 0.2462

Monochromacy



Original Color

11.3567, 0.2681, 0.1659

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.0219, 0.2949, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3567, 0.2681, 0.1659 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(131, 64, 169)` looks like.

```
.text, #text, p{  
    color:rgb(131, 64, 169)  
}
```

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(131, 64, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 64, 169) }
```

Border

The CSS property to change the border of an element to Yxy 11.3567, 0.2681, 0.1659 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(131, 64, 169) }
```

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

```
.border{ border-color:rgb(131, 64, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 64, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 64, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 64, 169);  
box-shadow:4px 4px 4px 4px rgb(131, 64,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3567, 0.2681, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 64, 169) }
```

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

```
.background{ background-color: rgb(131, 64,  
169) }
```

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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