

Converting Colors

$Y_{xy}(13.6672, 0.3157, 0.1759)$

Have a look what the booklet for
Yxy(13.6672, 0.3157, 0.1759)
contains.

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Color

Yxy(13.6640, 0.3156, 0.1763)

Conversions

Conversions Part 1

Format	Color
Hex	A735AA
RGB	167, 53, 170
RGB Percent	65%, 21%, 67%
CMY	0.3452, 0.7920, 0.3333
CMYK	0.02, 0.69, 0.00, 0.33
HSL	298°, 52%, 44%
HSV	298°, 69%, 67%
XYZ	24.4603, 13.6640, 39.3799
YIQ	100.4240, 30.3870, 60.5550

Conversions

Conversions Part 2

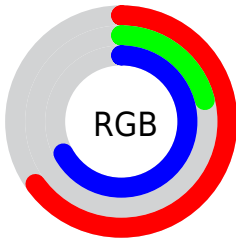
Format	Color
R_{YB}	167, 53, 170
Decimal	10958250
CIE _{Lab}	43.75, 60.51, -39.48
CIE _{LCh}	44, 72.249, 326.874
Yxy	13.6640, 0.3156, 0.1763
Android (android.graphics.Color)	4289148330 (0xFFA735AA)
YUV	100.4240, 34.3010, 58.3872
Hunter-Lab	36.9648, 53.4284, -37.2883

Details

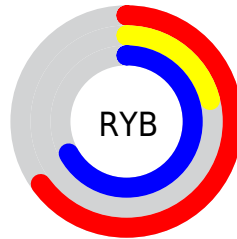
The Yxy color **13.6640, 0.3156, 0.1763** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.8511, 0.3041, 0.5451**, and the grayscale version is **12.7669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4358, 0.3175, 0.2050**, and **4.6639, 0.3086, 0.1474** is the 20% darker color. If you saturate the color by 10%, you get **12.3309, 0.3154, 0.1639**, and if you desaturate by 10%, it is **15.5483, 0.3156, 0.1926**.

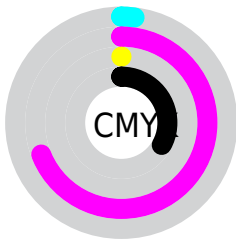
Distribution



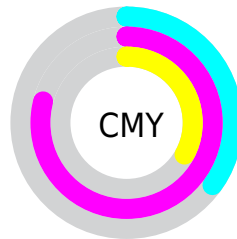
- Red (65%)
- Green (21%)
- Blue (67%)



- Red (65%)
- Yellow (21%)
- Blue (67%)



- Cyan (2%)
- Magenta (69%)
- Yellow (0%)
- Black (33%)



- Cyan (35%)
- Magenta (79%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6640, 0.3156, 0.1763 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 13.6640, 0.3156, 0.1763 by changing the saturation by 10% instead.


 13.6640, 0.3156,
0.1763


 13.6640, 0.3156,
0.1763


215.1304, 0.3179,
0.2556


 7.8873, 0.3133,
0.1564

 32.4916, 0.3176,
0.2054


 4.0229, 0.3091,
0.1313


 46.3114, 0.3179,
0.2163

 1.6864, 0.3011,
0.0993

 63.5810, 0.3181,
0.2255

 0.4148, 0.2873,
0.0508

 84.6849, 0.3182,
0.2333

 0.0000, 0.2523,
0.0000

 110.0074, 0.3182,
0.2400

 0.0000, 0.0000,
0.0000

 139.9328, 0.3181,

0.2459

174.8457, 0.3180,
0.2511

■ 13.6640, 0.3156,
0.1763

■ 13.6640, 0.3156,
0.1763

■ 12.3309, 0.3154,
0.1639

■ 15.5483, 0.3156,
0.1926

■ 11.4860, 0.3151,
0.1558

■ 18.0343, 0.3154,
0.2124

■ 11.0155, 0.3146,
0.1511

■ 21.1688, 0.3151,
0.2347

■ 10.9655, 0.3145,
0.1506

■ 24.9934, 0.3146,
0.2586

■ 29.5464, 0.3140,
0.2833

■ 34.8632, 0.3133,
0.3079

■ 40.9769, 0.3126,
0.3318

■ 47.9187, 0.3119,
0.3546

■ 55.7180, 0.3112,
0.3760

Harmonies

Analogous

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



13.6640, 0.1932, 0.1421



13.6640, 0.3156, 0.1763



13.6640, 0.4733, 0.2374

Triad

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



13.6640, 0.3156, 0.1763



13.6640, 0.4945, 0.4971



13.6640, 0.1030, 0.2572

Complementary

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



13.6640, 0.3156, 0.1763



29.8511, 0.3041, 0.5451

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.



13.6640, 0.1526, 0.4304



13.6640, 0.3156, 0.1763



13.6640, 0.3747, 0.5921

Square

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



13.6640, 0.3156, 0.1763



13.6640, 0.5753, 0.3945



13.6640, 0.2532, 0.5949



13.6640, 0.0973, 0.1686

Rectangle

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



13.6640, 0.3156, 0.1763



13.6640, 0.5559, 0.2865



13.6640, 0.2532, 0.5949



13.6640, 0.1138, 0.3058

Sweetspot

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



13.6646, 0.3156, 0.1763



51.3436, 0.3141, 0.2769



6.5809, 0.1834, 0.1185



10.9485, 0.3143, 0.2703



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.6646, 0.3156, 0.1763



21.3968, 0.3152, 0.1588



12.3441, 0.4117, 0.2423



7.6566, 0.3134, 0.3067



8.0699, 0.3146, 0.1507



0.1993, 0.3168, 0.1519

Inverse Universe

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



11.3828, 0.5317, 0.3260



17.0447, 0.5984, 0.3270



30.5835, 0.2720, 0.4489



7.5453, 0.3282, 0.3285



6.2950, 0.6365, 0.3280



0.1541, 0.6205, 0.3192

Previews

White Background



This preview shows how the Yxy color 13.6640, 0.3156, 0.1763 looks on a white background.

Color Contrast Check

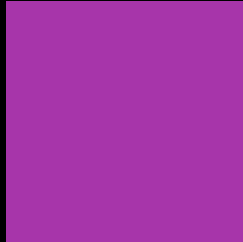
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6640, 0.3156, 0.1763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

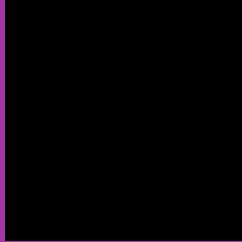
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6640, 0.3156, 0.1763

Background



This preview shows how black text looks on a background with the Yxy color 13.6640, 0.3156, 0.1763.



This preview shows how white text looks on a background with the Yxy color 13.6640, 0.3156, 0.1763.

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

13.6640, 0.3156, 0.1763

Protanopia

13.9694, 0.1737, 0.1454

Deuteranopia

13.9651, 0.2220, 0.2169



Tritanopia

13.5773, 0.4344, 0.3196

Trichromacy



Original Color

13.6640, 0.3156, 0.1763



Protanomaly

11.2558, 0.1872, 0.1385



Deuteranomaly

12.4018, 0.2467, 0.1886



Tritanomaly

13.2417, 0.3890, 0.2563

Monochromacy



Original Color

13.6640, 0.3156, 0.1763



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

11.9523, 0.3149, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6640, 0.3156, 0.1763 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(167, 53, 170)` looks like.

```
.text, #text, p{  
    color:rgb(167, 53, 170)  
}
```

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(167, 53, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 53, 170) }
```

Border

The CSS property to change the border of an element to Yxy 13.6640, 0.3156, 0.1763 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(167, 53, 170) }
```

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

```
.border{ border-color:rgb(167, 53, 170) }
```

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

Here you see how a box with a 4 pixel rgb(167, 53, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 53, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 53, 170);  
box-shadow:4px 4px 4px 4px rgb(167, 53,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6640, 0.3156, 0.1763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 53, 170) }
```

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

```
.background{ background-color: rgb(167, 53,  
170) }
```

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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