

Converting Colors

$Y_{xy}(10.7752, 0.3252, 0.1600)$

Have a look what the booklet for
Yxy(10.7752, 0.3252, 0.1600)
contains.

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Color

Yxy(10.7798, 0.3253, 0.1601)

Conversions

Conversions Part 1

Format	Color
Hex	A40EA1
RGB	164, 14, 161
RGB Percent	64%, 5%, 63%
CMY	0.3568, 0.9453, 0.3686
CMYK	0.00, 0.92, 0.02, 0.36
HSL	301°, 84%, 35%
HSV	301°, 92%, 64%
XYZ	21.9030, 10.7798, 34.6489
YIQ	75.6080, 42.2130, 77.5170

Conversions

Conversions Part 2

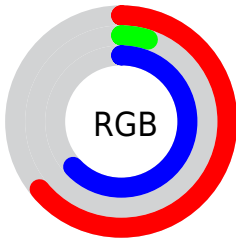
Format	Color
RYB	164, 14, 161
Decimal	10751649
CIELab	39.21, 68.58, -41.36
CIElCh	39, 80.088, 328.907
Yxy	10.7798, 0.3253, 0.1601
Android (android.graphics.Color)	4288941729 (0xFFA40EA1)
YUV	75.6080, 42.0983, 77.5198
Hunter-Lab	32.8326, 61.6222, -39.5870

Details

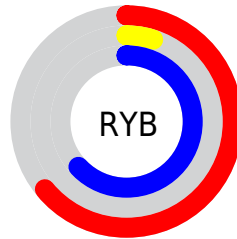
The Yxy color **10.7798, 0.3253, 0.1601** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **26.6901, 0.2999, 0.5903**, and the grayscale version is **7.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3014, 0.3267, 0.1933**, and **4.2299, 0.3166, 0.1518** is the 20% darker color. If you saturate the color by 10%, you get **10.4580, 0.3259, 0.1569**, and if you desaturate by 10%, it is **11.4254, 0.3244, 0.1666**.

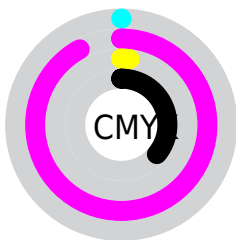
Distribution



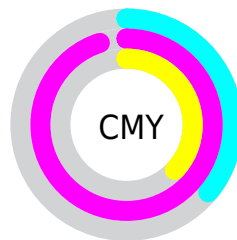
- Red (64%)
- Green (5%)
- Blue (63%)



- Red (64%)
- Yellow (5%)
- Blue (63%)



- Cyan (0%)
- Magenta (92%)
- Yellow (2%)
- Black (36%)




- Cyan (36%)
- Magenta (95%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7798, 0.3253, 0.1601 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 10.7798, 0.3253, 0.1601 by changing the saturation by 10% instead.


 10.7798, 0.3253,
0.1601


 10.7798, 0.3253,
0.1601


196.1506, 0.3229,
0.2487


 5.9190, 0.3238,
0.1379


 27.2523, 0.3258,
0.1927


 2.7959, 0.3202,
0.1101


 39.6327, 0.3255,
0.2049


 1.0261, 0.3121,
0.0756

 55.2884, 0.3251,
0.2152

 0.0000, 0.3040,
0.0000

 74.6038, 0.3247,
0.2239

 0.0000, 0.2368,
0.0000

 97.9634, 0.3242,
0.2314

 0.0000, 0.0000,
0.0000

 125.7514, 0.3238,

0.2379

158.3523, 0.3233,
0.2436

■ 10.7798, 0.3253,
0.1601

■ 10.7798, 0.3253,
0.1601

■ 10.4580, 0.3259,
0.1569

■ 11.4254, 0.3244,
0.1666

■ 12.5036, 0.3233,
0.1772

■ 14.0738, 0.3220,
0.1919

■ 16.1856, 0.3206,
0.2101

■ 18.8824, 0.3191,
0.2311

■ 22.2036, 0.3175,
0.2540

■ 26.1848, 0.3159,
0.2779

■ 30.8592, 0.3144,
0.3019

■ 36.2575, 0.3129,
0.3255

Harmonies

Analogous

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



10.7798, 0.1823, 0.1220



10.7798, 0.3253, 0.1601



10.7798, 0.5144, 0.2267

Triad

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



10.7798, 0.3253, 0.1601



10.7798, 0.4921, 0.5079



10.7798, 0.0764, 0.2291

Complementary

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



10.7798, 0.3253, 0.1601



26.6901, 0.2999, 0.5903

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.



10.7798, 0.1199, 0.4320



10.7798, 0.3253, 0.1601



10.7798, 0.3581, 0.6419

Square

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



10.7798, 0.3253, 0.1601



10.7798, 0.6059, 0.3941



10.7798, 0.2226, 0.6495



10.7798, 0.0757, 0.1412

Rectangle

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



10.7798, 0.3253, 0.1601



10.7798, 0.6055, 0.2780



10.7798, 0.2226, 0.6495



10.7798, 0.0849, 0.2821

Sweetspot

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



10.7803, 0.3253, 0.1601



43.0324, 0.3168, 0.2634



3.1075, 0.1555, 0.0682



8.9237, 0.3174, 0.2558



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.7803, 0.3253, 0.1601



18.9748, 0.3260, 0.1570



8.8864, 0.4800, 0.2484



7.1997, 0.3140, 0.3073



8.0178, 0.3259, 0.1569



0.1692, 0.3239, 0.1558

Inverse Universe

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



10.7803, 0.3253, 0.1601



18.9748, 0.3260, 0.1570



27.4135, 0.2683, 0.4787



7.1997, 0.3140, 0.3073



8.0178, 0.3259, 0.1569



0.1692, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 10.7798, 0.3253, 0.1601 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 10.7798, 0.3253, 0.1601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

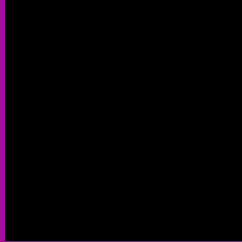
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7798, 0.3253, 0.1601

Background



This preview shows how black text looks on a background with the Yxy color 10.7798, 0.3253, 0.1601.



This preview shows how white text looks on a background with the Yxy color 10.7798, 0.3253, 0.1601.

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

10.7798, 0.3253, 0.1601

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.2004, 0.2141, 0.2094



Tritanopia

10.9542, 0.4782, 0.3233

Trichromacy



Original Color

10.7798, 0.3253, 0.1601



Protanomaly

7.8519, 0.1860, 0.1219



Deuteranomaly

8.7438, 0.2396, 0.1631



Tritanomaly

10.1824, 0.4234, 0.2467

Monochromacy



Original Color

10.7798, 0.3253, 0.1601



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

6.7959, 0.3200, 0.2151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7798, 0.3253, 0.1601 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(164, 14, 161)` looks like.

```
.text, #text, p{  
    color:rgb(164, 14, 161)  
}
```

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(164, 14, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 14, 161) }
```

Border

The CSS property to change the border of an element to Yxy 10.7798, 0.3253, 0.1601 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(164, 14, 161) }
```

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

```
.border{ border-color:rgb(164, 14, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 14, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 14, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 14, 161);  
box-shadow:4px 4px 4px 4px rgb(164, 14,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7798, 0.3253, 0.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 14, 161) }
```

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

```
.background{ background-color: rgb(164, 14,  
161) }
```

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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