

Converting Colors

$Y_{xy}(10.3701, 0.3250, 0.1565)$

Have a look what the booklet for
Yxy(10.3701, 0.3250, 0.1565)
contains.

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Color

Yxy(10.3597, 0.3240, 0.1558)

Conversions

Conversions Part 1

Format	Color
Hex	A300A1
RGB	163, 0, 161
RGB Percent	64%, 0%, 63%
CMY	0.3606, 1.0000, 0.3686
CMYK	0.00, 1.00, 0.01, 0.36
HSL	301°, 100%, 32%
HSV	301°, 100%, 64%
XYZ	21.5439, 10.3597, 34.5900
YIQ	67.0910, 45.4670, 84.6270

Conversions

Conversions Part 2

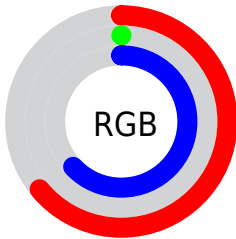
Format	Color
RYB	163, 0, 161
Decimal	10682529
CIELab	38.48, 70.03, -42.53
CIElCh	38, 81.935, 328.726
Yxy	10.3597, 0.3240, 0.1558
Android (android.graphics.Color)	4288872609 (0xFFA300A1)
YUV	67.0910, 46.2971, 84.1122
Hunter-Lab	32.1865, 63.1520, -41.1868

Details

The Yxy color **10.3597, 0.3240, 0.1558** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **26.2120, 0.2997, 0.5991**, and the grayscale version is **5.5504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5220, 0.3259, 0.1898**, and **4.1683, 0.3144, 0.1506** is the 20% darker color. If you saturate the color by 10%, you get **10.3643, 0.3240, 0.1559**, and if you desaturate by 10%, it is **10.7510, 0.3235, 0.1599**.

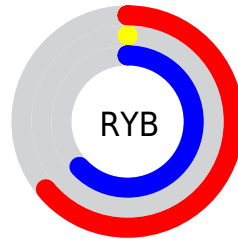
Distribution



Red (64%)

Green (0%)

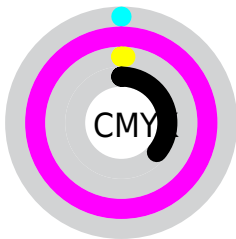
Blue (63%)



Red (64%)

Yellow (0%)

Blue (63%)

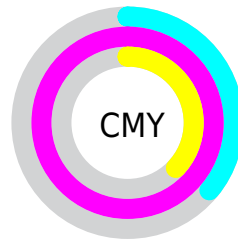


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (36%)



Cyan (36%)


Magenta (100%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3597, 0.3240, 0.1558 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 10.3597, 0.3240, 0.1558 by changing the saturation by 10% instead.


 10.3597, 0.3240,
0.1558


 10.3597, 0.3240,
0.1558


193.2204, 0.3226,
0.2466


 5.6381, 0.3221,
0.1332


 26.4699, 0.3250,
0.1892


 2.6263, 0.3178,
0.1050


 38.6273, 0.3248,
0.2016


 0.9399, 0.3085,
0.0705

 54.0320, 0.3246,
0.2121

 0.0000, 0.2968,
0.0000

 73.0686, 0.3242,
0.2211

 0.0000, 0.2235,
0.0000

 96.1213, 0.3238,
0.2288

 0.0000, 0.0000,
0.0000

 123.5746, 0.3234,

0.2355

155.8128, 0.3230,
0.2414

■ 10.3597, 0.3240,
0.1558

■ 10.3597, 0.3240,
0.1558

■ 10.3643, 0.3240,
0.1559

■ 10.7510, 0.3235,
0.1599

■ 11.4446, 0.3228,
0.1670

■ 12.5749, 0.3219,
0.1783

■ 14.1982, 0.3208,
0.1936

■ 16.3623, 0.3196,
0.2124

■ 19.1094, 0.3182,
0.2338

■ 22.4775, 0.3168,
0.2571

■ 26.5015, 0.3154,
0.2812

■ 31.2135, 0.3140,
0.3054

Harmonies

Analogous

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



10.3597, 0.1780, 0.1177



10.3597, 0.3240, 0.1558



10.3597, 0.5200, 0.2229

Triad

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



10.3597, 0.3240, 0.1558



10.3597, 0.4931, 0.5069



10.3597, 0.0717, 0.2257

Complementary

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



10.3597, 0.3240, 0.1558



26.2120, 0.2997, 0.5991

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.



10.3597, 0.1146, 0.4368



10.3597, 0.3240, 0.1558



10.3597, 0.3540, 0.6460

Square

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



10.3597, 0.3240, 0.1558



10.3597, 0.6103, 0.3897



10.3597, 0.2180, 0.6636



10.3597, 0.0714, 0.1367

Rectangle

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



10.3597, 0.3240, 0.1558



10.3597, 0.6141, 0.2744



10.3597, 0.2180, 0.6636



10.3597, 0.0799, 0.2802

Sweetspot

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



10.3643, 0.3240, 0.1559



39.8698, 0.3169, 0.2557



2.6457, 0.1500, 0.0600



8.3860, 0.3175, 0.2463



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.



10.3643, 0.3240, 0.1559



18.5499, 0.3241, 0.1559



8.3924, 0.4940, 0.2495



7.2007, 0.3139, 0.3071



8.0514, 0.3240, 0.1558



0.1696, 0.3228, 0.1552

Inverse Universe

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



10.3643, 0.3240, 0.1559



18.5499, 0.3241, 0.1559



26.8095, 0.2720, 0.4992



7.2007, 0.3139, 0.3071



8.0514, 0.3240, 0.1558



0.1696, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 10.3597, 0.3240, 0.1558 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 10.3597, 0.3240, 0.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

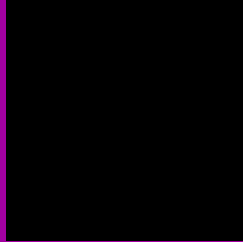
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.3597, 0.3240, 0.1558

Background



This preview shows how black text looks on a background with the Yxy color 10.3597, 0.3240, 0.1558.



This preview shows how white text looks on a background with the Yxy color 10.3597, 0.3240, 0.1558.

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

10.3597, 0.3240, 0.1558

Protanopia

11.0300, 0.1747, 0.1488

Deuteranopia

11.1393, 0.2126, 0.2090



Tritanopia

10.7326, 0.4797, 0.3232

Trichromacy



Original Color

10.3597, 0.3240, 0.1558



Protanomaly

7.1107, 0.1841, 0.1148



Deuteranomaly

8.0851, 0.2360, 0.1544



Tritanomaly

9.6253, 0.4263, 0.2412

Monochromacy



Original Color

10.3597, 0.3240, 0.1558



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.4921, 0.3208, 0.2027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3597, 0.3240, 0.1558 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(163, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 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(163, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 161) }
```

Border

The CSS property to change the border of an element to Yxy 10.3597, 0.3240, 0.1558 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(163, 0, 161) }
```

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

```
.border{ border-color:rgb(163, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3597, 0.3240, 0.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 161) }
```

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

```
.background{ background-color: rgb(163, 0,  
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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