

Converting Colors

$Y_{xy}(10.4115, 0.1942, 0.0844)$

Have a look what the booklet for
Yxy(10.4115, 0.1942, 0.0844)
contains.

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Color

Yxy(10.3602, 0.1940, 0.0843)

Conversions

Conversions Part 1

Format	Color
Hex	7300F7
RGB	115, 0, 247
RGB Percent	45%, 0%, 97%
CMY	0.5494, 0.9982, 0.0316
CMYK	0.53, 1.00, 0.00, 0.03
HSL	268°, 100%, 49%
HSV	268°, 100%, 97%
XYZ	23.8420, 10.3602, 88.6946
YIQ	62.5430, -10.7470, 101.1970

Conversions

Conversions Part 2

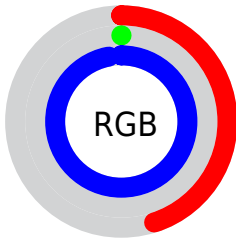
Format	Color
R_{YB}	115, 0, 247
Decimal	7536887
CIE Lab	38.48, 80.50, -92.85
CIE LCh	38, 122.890, 310.925
Yxy	10.3602, 0.1940, 0.0843
Android (android.graphics.Color)	4285726967 (0xFF7300F7)
YUV	62.5430, 90.9373, 46.0048
Hunter-Lab	32.1873, 75.8921, -140.8473

Details

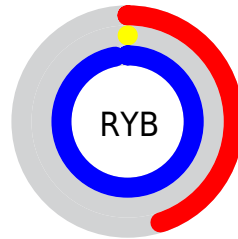
The Yxy color **10.3602, 0.1940, 0.0843** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **71.4356, 0.3405, 0.5678**, and the grayscale version is **4.8031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.6606, 0.2495, 0.1423**, and **4.0314, 0.1585, 0.0647** is the 20% darker color. If you saturate the color by 10%, you get **10.3337, 0.1938, 0.0841**, and if you desaturate by 10%, it is **12.0135, 0.2052, 0.0946**.

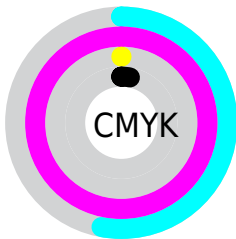
Distribution



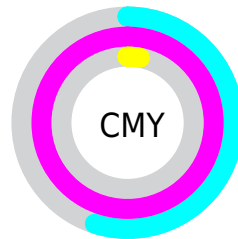
- Red (45%)
- Green (0%)
- Blue (97%)



- Red (45%)
- Yellow (0%)
- Blue (97%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (55%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3602, 0.1940, 0.0843 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 10.3602, 0.1940, 0.0843 by changing the saturation by 10% instead.


 10.3602, 0.1940,
0.0843


 10.3602, 0.1940,
0.0843


193.2239, 0.2640,
0.1929


 5.6384, 0.1757,
0.0646


 26.4708, 0.2206,
0.1186


 2.6265, 0.1528,
0.0439


 38.6285, 0.2304,
0.1331


 0.9400, 0.1243,
0.0239

 54.0335, 0.2385,
0.1461

 0.0000, 0.0907,
0.0000

 73.0704, 0.2453,
0.1576

 0.0000, 0.0516,
0.0000

 96.1235, 0.2511,
0.1679

 0.0000, 0.0000,
0.0000

 123.5772, 0.2560,

0.1771

155.8158, 0.2603,
0.1854

■ 10.3602, 0.1940,
0.0843

■ 10.3602, 0.1940,
0.0843

■ 10.3337, 0.1938,
0.0841

■ 12.0135, 0.2052,
0.0946

■ 14.6750, 0.2179,
0.1104

■ 18.6108, 0.2317,
0.1319

■ 23.9862, 0.2459,
0.1578

■ 30.9404, 0.2599,
0.1868

■ 39.5957, 0.2730,
0.2171

■ 50.0617, 0.2850,
0.2475

■ 62.4389, 0.2957,
0.2767

■ 76.8201, 0.3049,
0.3042

Harmonies

Analogous

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



10.3602, 0.0828, 0.0656



10.3602, 0.1940, 0.0843



10.3602, 0.4323, 0.1362

Triad

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



10.3602, 0.1940, 0.0843



10.3602, 0.6042, 0.3958



10.3602, 0.0339, 0.3100

Complementary

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



10.3602, 0.1940, 0.0843



71.4356, 0.3405, 0.5678

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.



10.3602, 0.0925, 0.7536



10.3602, 0.1940, 0.0843



10.3602, 0.4100, 0.5900

Square

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



10.3602, 0.1940, 0.0843



10.3602, 0.7209, 0.2791



10.3602, 0.2125, 0.7875



10.3602, 0.0257, 0.1222

Rectangle

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



10.3602, 0.1940, 0.0843



10.3602, 0.6243, 0.1859



10.3602, 0.2125, 0.7875



10.3602, 0.0455, 0.4420

Sweetspot

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



10.3604, 0.1940, 0.0843



53.5591, 0.2848, 0.2468



24.3311, 0.1812, 0.1723



10.3981, 0.2798, 0.2340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



10.3604, 0.1940, 0.0843



11.0994, 0.1936, 0.0840



24.3199, 0.3082, 0.1472



16.3038, 0.3052, 0.3051



5.5504, 0.1955, 0.0851



0.5483, 0.2093, 0.0927

Inverse Universe

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



21.4541, 0.4840, 0.2441



23.0548, 0.4847, 0.2444



66.5733, 0.3008, 0.5993



16.6310, 0.3209, 0.3164



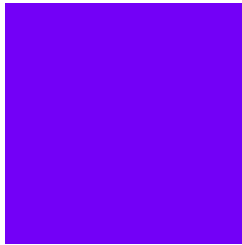
11.3726, 0.4809, 0.2423



1.0203, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 10.3602, 0.1940, 0.0843 looks on a white background.

Color Contrast Check

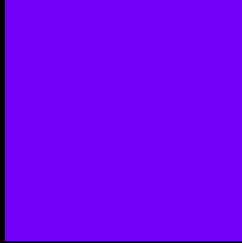
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3602, 0.1940, 0.0843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

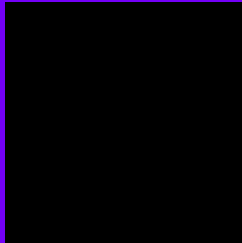
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3602, 0.1940, 0.0843

Background



This preview shows how black text looks on a background with the Yxy color 10.3602, 0.1940, 0.0843.



This preview shows how white text looks on a background with the Yxy color 10.3602, 0.1940, 0.0843.

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

10.3602, 0.1940, 0.0843

Protanopia

10.6899, 0.1752, 0.1506

Tritanopia

10.6304, 0.2653, 0.3087

Trichromacy



Original Color

10.3602, 0.1940, 0.0843

Protanomaly

7.9726, 0.1678, 0.0969

Tritanomaly

7.7162, 0.2232, 0.1497

Monochromacy



Original Color

10.3602, 0.1940, 0.0843

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

4.9231, 0.2374, 0.1414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3602, 0.1940, 0.0843 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(115, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 247)  
}
```

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(115, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.3602, 0.1940, 0.0843 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(115, 0, 247) }
```

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

```
.border{ border-color:rgb(115, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(115, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
247) }
```

Background

The CSS property to change the background color of an element to Yxy 10.3602, 0.1940, 0.0843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 247) }
```

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

```
.background{ background-color: rgb(115, 0,  
247) }
```

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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