

Converting Colors

$Y_{xy}(10.1809, 0.1801, 0.0791)$

Have a look what the booklet for
Yxy(10.1809, 0.1801, 0.0791)
contains.

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Color

Yxy(10.1940, 0.1802, 0.0792)

Conversions

Conversions Part 1

Format	Color
Hex	6112FF
RGB	97, 18, 255
RGB Percent	38%, 7%, 100%
CMY	0.6195, 0.9294, 0.0001
CMYK	0.62, 0.93, 0.00, 0.00
HSL	260°, 100%, 54%
HSV	260°, 93%, 100%
XYZ	23.1939, 10.1940, 95.3242
YIQ	68.6390, -28.9930, 90.4550

Conversions

Conversions Part 2

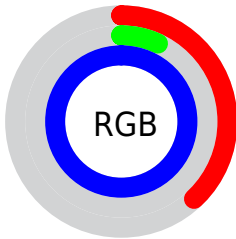
Format	Color
R _Y B	97, 18, 255
Decimal	6361855
CIE Lab	38.19, 78.88, -97.90
CIE LCh	38, 125.724, 308.859
Yxy	10.1940, 0.1802, 0.0792
Android (android.graphics.Color)	4284551935 (0xFF6112FF)
YUV	68.6390, 91.8760, 24.8726
Hunter-Lab	31.9280, 73.7961, -154.6663

Details

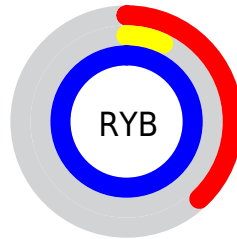
The Yxy color **10.1940, 0.1802, 0.0792** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **80.7651, 0.3636, 0.5463**, and the grayscale version is **5.7438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.5600, 0.2368, 0.1390**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.1507, 0.1728, 0.0725**, and if you desaturate by 10%, it is **12.5620, 0.1930, 0.0937**.

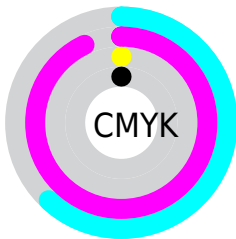
Distribution



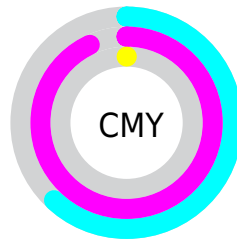
- Red (38%)
- Green (7%)
- Blue (100%)



- Red (38%)
- Yellow (7%)
- Blue (100%)



- Cyan (62%)
- Magenta (93%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (93%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1940, 0.1802, 0.0792 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 10.1940, 0.1802, 0.0792 by changing the saturation by 10% instead.


 10.1940, 0.1802,
0.0792


 10.1940, 0.1802,
0.0792


192.0511, 0.2562,
0.1884


 5.5278, 0.1612,
0.0600


 26.1598, 0.2085,
0.1132


 2.5601, 0.1378,
0.0401


 38.2281, 0.2191,
0.1278


 0.9067, 0.1096,
0.0213

 53.5326, 0.2280,
0.1408

 0.0000, 0.0773,
0.0000

 72.4576, 0.2354,
0.1524

 0.0000, 0.0414,
0.0000

 95.3876, 0.2418,
0.1629

 0.0000, 0.0000,
0.0000

 122.7069, 0.2473,

0.1723

154.7999, 0.2521,
0.1807

■ 10.1940, 0.1802,
0.0792

■ 10.1940, 0.1802,
0.0792

■ 9.1507, 0.1728,
0.0725

■ 12.5620, 0.1930,
0.0937

■ 16.3014, 0.2080,
0.1148

■ 21.6096, 0.2244,
0.1414

■ 28.6499, 0.2413,
0.1716

■ 37.5646, 0.2578,
0.2037

■ 48.4808, 0.2731,
0.2358

■ 61.5141, 0.2870,
0.2667

■ 76.7713, 0.2993,
0.2955

■ 94.3517, 0.3099,
0.3218

Harmonies

Analogous

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



10.1940, 0.0756, 0.0626



10.1940, 0.1802, 0.0792



10.1940, 0.4135, 0.1284

Triad

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



10.1940, 0.1802, 0.0792



10.1940, 0.6181, 0.3819



10.1940, 0.0324, 0.3319

Complementary

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



10.1940, 0.1802, 0.0792



80.7651, 0.3636, 0.5463

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.



10.1940, 0.0927, 0.7900



10.1940, 0.1802, 0.0792



10.1940, 0.4230, 0.5770

Square

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



10.1940, 0.1802, 0.0792



10.1940, 0.7309, 0.2691



10.1940, 0.2164, 0.7836



10.1940, 0.0232, 0.1247

Rectangle

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



10.1940, 0.1802, 0.0792



10.1940, 0.6135, 0.1774



10.1940, 0.2164, 0.7836



10.1940, 0.0446, 0.4768

Sweetspot

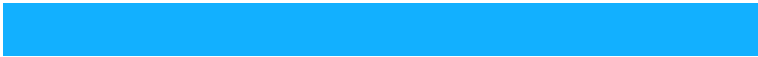
The Sweet Spot groups the original color and five complimentary colors.



10.1941, 0.1802, 0.0792



54.6600, 0.2802, 0.2512



38.3895, 0.1961, 0.2227



10.5399, 0.2740, 0.2377



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.



10.1941, 0.1802, 0.0792



9.1534, 0.1728, 0.0725



22.1696, 0.2814, 0.1344



17.6720, 0.3031, 0.3048



4.8554, 0.1743, 0.0734



0.5296, 0.1865, 0.0801

Inverse Universe

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



24.8186, 0.4200, 0.2115



24.1606, 0.4300, 0.2143



72.4269, 0.3065, 0.5909



18.1913, 0.3189, 0.3133



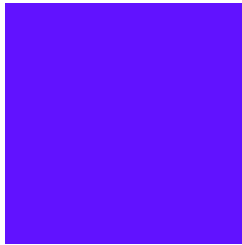
12.6533, 0.4277, 0.2130



1.2523, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 10.1940, 0.1802, 0.0792 looks on a white background.

Color Contrast Check

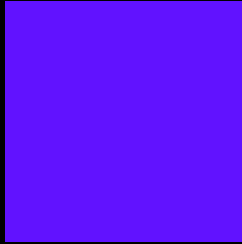
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1940, 0.1802, 0.0792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

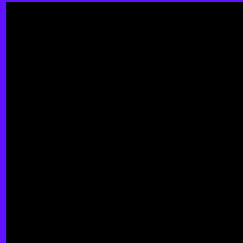
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1940, 0.1802, 0.0792

Background



This preview shows how black text looks on a background with the Yxy color 10.1940, 0.1802, 0.0792.



This preview shows how white text looks on a background with the Yxy color 10.1940, 0.1802, 0.0792.

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

10.1940, 0.1802, 0.0792

Protanopia

10.1938, 0.1752, 0.1507

Tritanopia

10.1759, 0.2193, 0.3095

Trichromacy



Original Color

10.1940, 0.1802, 0.0792

Protanomaly

8.4060, 0.1667, 0.1006

Tritanomaly

7.3109, 0.1817, 0.1426

Monochromacy



Original Color

10.1940, 0.1802, 0.0792

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

5.7496, 0.2281, 0.1477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1940, 0.1802, 0.0792 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(97, 18, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 18, 255)  
}
```

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(97, 18, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 18, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.1940, 0.1802, 0.0792 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(97, 18, 255) }
```

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

```
.border{ border-color:rgb(97, 18, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 18, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 18, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 18, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 18,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 10.1940, 0.1802, 0.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 18, 255) }
```

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

```
.background{ background-color: rgb(97, 18,  
255) }
```

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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