

Converting Colors

$Y_{xy}(9.9907, 0.1997, 0.0916)$

Have a look what the booklet for
Yxy(9.9907, 0.1997, 0.0916)
contains.

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Color

Yxy(10.0164, 0.2002, 0.0919)

Conversions

Conversions Part 1

Format	Color
Hex	7217E8
RGB	114, 23, 232
RGB Percent	45%, 9%, 91%
CMY	0.5527, 0.9104, 0.0900
CMYK	0.51, 0.90, 0.00, 0.09
HSL	266°, 82%, 50%
HSV	266°, 90%, 91%
XYZ	21.8203, 10.0164, 77.1557
YIQ	74.0350, -12.8530, 84.2910

Conversions

Conversions Part 2

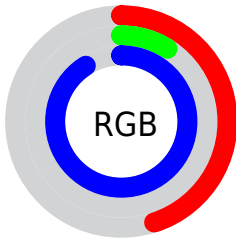
Format	Color
R _Y B	114, 23, 232
Decimal	7477224
CIE Lab	37.87, 73.95, -85.42
CIE LCh	38, 112.986, 310.883
Yxy	10.0164, 0.2002, 0.0919
Android (android.graphics.Color)	4285667304 (0xFF7217E8)
YUV	74.0350, 77.8767, 35.0493
Hunter-Lab	31.6487, 67.6821, -122.3878

Details

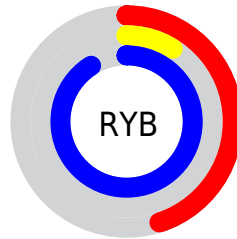
The Yxy color **10.0164, 0.2002, 0.0919** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **63.4454, 0.3496, 0.5548**, and the grayscale version is **6.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.2227, 0.2473, 0.1454**, and **3.5666, 0.1632, 0.0673** is the 20% darker color. If you saturate the color by 10%, you get **8.6043, 0.1891, 0.0815**, and if you desaturate by 10%, it is **12.3103, 0.2132, 0.1079**.

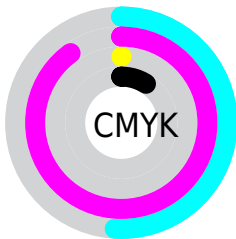
Distribution



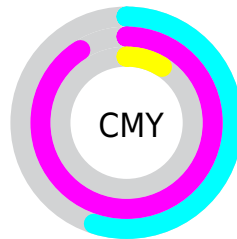
- Red (45%)
- Green (9%)
- Blue (91%)



- Red (45%)
- Yellow (9%)
- Blue (91%)



- Cyan (51%)
- Magenta (90%)
- Yellow (0%)
- Black (9%)





- Cyan (55%)
- Magenta (91%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0164, 0.2002, 0.0919 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 10.0164, 0.2002, 0.0919 by changing the saturation by 10% instead.

 10.0164, 0.2002,
0.0919


 10.0164, 0.2002,
0.0919


190.7891, 0.2677,
0.2009

 5.4098, 0.1818,
0.0711


 25.8263, 0.2264,
0.1273


 2.4897, 0.1584,
0.0487


 37.7985, 0.2358,
0.1420


 0.8715, 0.1287,
0.0267

 52.9947, 0.2436,
0.1549


 0.0000, 0.0928,
0.0000

 71.7992, 0.2501,
0.1663

 0.0000, 0.0474,
0.0000

 94.5965, 0.2556,
0.1765

 0.0000, 0.0000,
0.0000

 121.7710, 0.2602,

0.1855

153.7071, 0.2642,
0.1936

■ 10.0164, 0.2002,
0.0919

■ 10.0164, 0.2002,
0.0919

■ 8.6043, 0.1891,
0.0815

■ 12.3103, 0.2132,
0.1079

■ 15.7130, 0.2274,
0.1296

■ 20.3679, 0.2422,
0.1559

■ 26.3953, 0.2567,
0.1852

■ 33.9013, 0.2705,
0.2158

■ 42.9808, 0.2831,
0.2464

■ 53.7210, 0.2944,
0.2758

■ 66.2023, 0.3042,
0.3033

■ 80.4998, 0.3126,
0.3286

Harmonies

Analogous

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



10.0164, 0.0900, 0.0728



10.0164, 0.2002, 0.0919



10.0164, 0.4264, 0.1442

Triad

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



10.0164, 0.2002, 0.0919



10.0164, 0.5970, 0.4030



10.0164, 0.0428, 0.3165

Complementary

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



10.0164, 0.2002, 0.0919



63.4454, 0.3496, 0.5548

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.



10.0164, 0.1081, 0.7210



10.0164, 0.2002, 0.0919



10.0164, 0.4158, 0.5842

Square

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



10.0164, 0.2002, 0.0919



10.0164, 0.7087, 0.2913



10.0164, 0.2313, 0.7687



10.0164, 0.0318, 0.1325

Rectangle

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



10.0164, 0.2002, 0.0919



10.0164, 0.6061, 0.1941



10.0164, 0.2313, 0.7687



10.0164, 0.0564, 0.4386

Sweetspot

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



10.0166, 0.2002, 0.0919



57.0252, 0.2867, 0.2554



25.1752, 0.1890, 0.1942



11.2856, 0.2826, 0.2451



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.



10.0166, 0.2002, 0.0919



10.6105, 0.1886, 0.0812



21.3555, 0.3056, 0.1490



14.1929, 0.3048, 0.3052



4.8465, 0.1907, 0.0824



0.4123, 0.2071, 0.0914

Inverse Universe

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



19.6880, 0.4517, 0.2316



23.2684, 0.4725, 0.2377



58.1860, 0.3025, 0.5912



14.5035, 0.3204, 0.3158



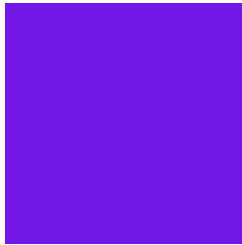
10.4576, 0.4685, 0.2354



0.7914, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 10.0164, 0.2002, 0.0919 looks on a white background.

Color Contrast Check

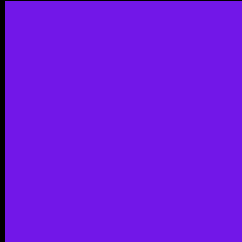
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0164, 0.2002, 0.0919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

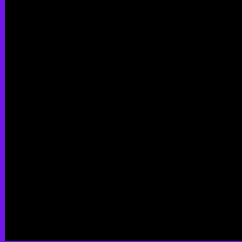
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0164, 0.2002, 0.0919

Background



This preview shows how black text looks on a background with the Yxy color 10.0164, 0.2002, 0.0919.



This preview shows how white text looks on a background with the Yxy color 10.0164, 0.2002, 0.0919.

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

10.0164, 0.2002, 0.0919

Protanopia

10.0330, 0.1747, 0.1489

Deuteranopia

10.0209, 0.1867, 0.1920



Tritanopia

10.0510, 0.2780, 0.3111

Trichromacy



Original Color

10.0164, 0.2002, 0.0919

Protanomaly

8.1966, 0.1707, 0.1067

Deuteranomaly

7.9046, 0.1762, 0.1214

Tritanomaly

8.2447, 0.2362, 0.1709

Monochromacy



Original Color

10.0164, 0.2002, 0.0919

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.4949, 0.2502, 0.1696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0164, 0.2002, 0.0919 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(114, 23, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 23, 232)  
}
```

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(114, 23, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 23, 232) }
```

Border

The CSS property to change the border of an element to Yxy 10.0164, 0.2002, 0.0919 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(114, 23, 232) }
```

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

```
.border{ border-color:rgb(114, 23, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 23, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 23, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 23, 232);  
box-shadow:4px 4px 4px 4px rgb(114, 23,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0164, 0.2002, 0.0919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 23, 232) }
```

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

```
.background{ background-color: rgb(114, 23,  
232) }
```

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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