

Converting Colors

$Y_{xy}(7.8666, 0.1684, 0.0728)$

Have a look what the booklet for
Yxy(7.8666, 0.1684, 0.0728)
contains.

Yxy(7.8678, 0.1682, 0.0726)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(7.8678, 0.1682, 0.0726)

Conversions

Conversions Part 1

Format	Color
Hex	4510EF
RGB	69, 16, 239
RGB Percent	27%, 6%, 94%
CMY	0.7294, 0.9379, 0.0625
CMYK	0.71, 0.93, 0.00, 0.06
HSL	254°, 88%, 50%
HSV	254°, 93%, 94%
XYZ	18.2282, 7.8678, 82.2759
YIQ	57.2690, -39.9950, 80.5890

Conversions

Conversions Part 2

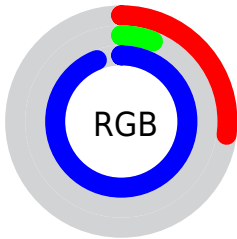
Format	Color
R _Y B	69, 16, 239
Decimal	4526319
CIE Lab	33.71, 74.09, -96.47
CIE LCh	34, 121.635, 307.526
Yxy	7.8678, 0.1682, 0.0726
Android (android.graphics.Color)	4282716399 (0xFF4510EF)
YUV	57.2690, 89.5934, 10.2881
Hunter-Lab	28.0496, 66.9122, -154.2765

Details

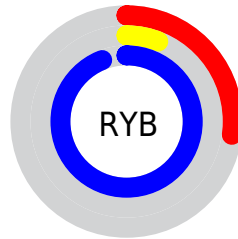
The Yxy color **7.8678, 0.1682, 0.0726** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **72.2401, 0.3788, 0.5344**, and the grayscale version is **4.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **18.5627, 0.2176, 0.1262**, and **3.3362, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **7.1045, 0.1621, 0.0667**, and if you desaturate by 10%, it is **9.7741, 0.1802, 0.0868**.

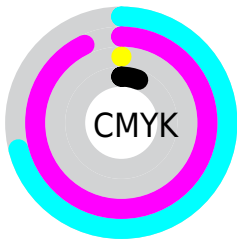
Distribution



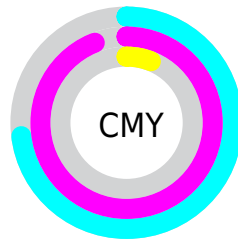
- Red (27%)
- Green (6%)
- Blue (94%)



- Red (27%)
- Yellow (6%)
- Blue (94%)



- Cyan (71%)
- Magenta (93%)
- Yellow (0%)
- Black (6%)





- Cyan (73%)
- Magenta (94%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 7.8678, 0.1682, 0.0726 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 7.8678, 0.1682, 0.0726 by changing the saturation by 10% instead.


 7.8678, 0.1682,
0.0726

 7.8678, 0.1682,
0.0726


174.6914, 0.2522,
0.1874


 4.0105, 0.1470,
0.0526


 21.6989, 0.1997,
0.1085


 1.6794, 0.1212,
0.0324


 32.4414, 0.2114,
0.1238


 0.4103, 0.0908,
0.0122

 46.2478, 0.2212,
0.1376

 0.0000, 0.0566,
0.0000

 63.5024, 0.2295,
0.1498


 0.0000, 0.0078,
0.0000


 84.5897, 0.2365,
0.1608


 0.0000, 0.0000,
0.0000


 109.8940, 0.2425,


0.1706


 139.7998, 0.2477,
0.1794


 7.8678, 0.1682,
0.0726


 7.8678, 0.1682,
0.0726


 7.1045, 0.1621,
0.0667

 9.7741, 0.1802,
0.0868

 12.8943, 0.1954,
0.1082

 17.4034, 0.2128,
0.1356

 23.4470, 0.2311,
0.1670

 31.1515, 0.2494,
0.2001

■ 40.6302, 0.2667,
0.2332

■ 51.9863, 0.2826,
0.2649

■ 65.3147, 0.2967,
0.2942

■ 80.7042, 0.3090,
0.3207

Harmonies

Analogous

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



7.8678, 0.0679, 0.0576



7.8678, 0.1682, 0.0726



7.8678, 0.4027, 0.1195

Triad

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



7.8678, 0.1682, 0.0726



7.8678, 0.6314, 0.3686



7.8678, 0.0265, 0.3457

Complementary

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



7.8678, 0.1682, 0.0726



72.2401, 0.3788, 0.5344

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.



7.8678, 0.0847, 0.8297



7.8678, 0.1682, 0.0726



7.8678, 0.4298, 0.5702

Square

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



7.8678, 0.1682, 0.0726



7.8678, 0.7435, 0.2565



7.8678, 0.2102, 0.7898



7.8678, 0.0192, 0.1217

Rectangle

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



7.8678, 0.1682, 0.0726



7.8678, 0.6138, 0.1678



7.8678, 0.2102, 0.7898



7.8678, 0.0373, 0.5065

Sweetspot

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



7.8679, 0.1682, 0.0726



53.6980, 0.2753, 0.2502



41.8799, 0.2053, 0.2562



10.3142, 0.2683, 0.2363



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.



7.8679, 0.1682, 0.0726



8.2037, 0.1619, 0.0665



16.2510, 0.2578, 0.1215



15.4104, 0.3017, 0.3048



3.9734, 0.1633, 0.0673



0.3748, 0.1760, 0.0743

Inverse Universe

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



22.2705, 0.3874, 0.1932



25.1669, 0.3938, 0.1943



63.3238, 0.3135, 0.5855



15.9633, 0.3174, 0.3112



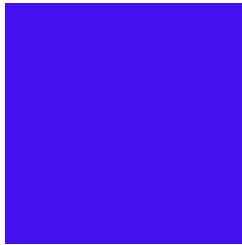
12.0306, 0.3921, 0.1933



1.0161, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 7.8678, 0.1682, 0.0726 looks on a white background.

Color Contrast Check

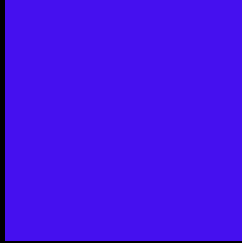
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 7.8678, 0.1682, 0.0726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 7.8678, 0.1682, 0.0726

Background



This preview shows how black text looks on a background with the Yxy color 7.8678, 0.1682, 0.0726.



This preview shows how white text looks on a background with the Yxy color 7.8678, 0.1682, 0.0726.

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

7.8678, 0.1682, 0.0726

Protanopia

7.8810, 0.1757, 0.1524

Deuteranopia

7.8122, 0.1880, 0.1969



Tritanopia

7.7698, 0.2204, 0.3133

Trichromacy



Original Color
7.8678, 0.1682, 0.0726

Protanomaly
6.6132, 0.1649, 0.0996

Deuteranomaly
6.2499, 0.1690, 0.1117

Tritanomaly
5.7272, 0.1785, 0.1398

Monochromacy



Original Color
7.8678, 0.1682, 0.0726

Achromatopsia
4.0915, 0.3127, 0.3290

Achromatomaly
4.0781, 0.2138, 0.1378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 7.8678, 0.1682, 0.0726 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(69, 16, 239)` looks like.

```
.text, #text, p{  
    color:rgb(69, 16, 239)  
}
```

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(69, 16, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 16, 239) }
```

Border

The CSS property to change the border of an element to Yxy 7.8678, 0.1682, 0.0726 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(69, 16, 239) }
```

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

```
.border{ border-color:rgb(69, 16, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 16, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 16, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 16, 239); box-shadow:4px 4px 4px 4px rgb(69, 16, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 7.8678, 0.1682, 0.0726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 16, 239) }
```

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

```
.background{ background-color: rgb(69, 16,  
239) }
```

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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