

Converting Colors

$Y_{xy}(15.0128, 0.2005, 0.1280)$

Have a look what the booklet for
Yxy(15.0128, 0.2005, 0.1280)
contains.

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Color

Yxy(15.0128, 0.2005, 0.1280)

Conversions

Conversions Part 1

Format	Color
Hex	6853E9
RGB	104, 83, 233
RGB Percent	41%, 33%, 91%
CMY	0.5919, 0.6746, 0.0862
CMYK	0.55, 0.64, 0.00, 0.09
HSL	248°, 77%, 62%
HSV	248°, 64%, 91%
XYZ	23.5161, 15.0128, 78.7586
YIQ	106.3790, -35.6340, 51.1020

Conversions

Conversions Part 2

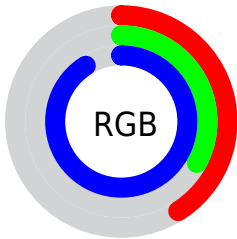
Format	Color
RYB	104, 83, 233
Decimal	6837225
CIELab	45.65, 48.15, -73.24
CIELCh	46, 87.647, 303.324
Yxy	15.0128, 0.2005, 0.1280
Android (android.graphics.Color)	4285027305 (0xFF6853E9)
YUV	106.3790, 62.4242, -2.0864
Hunter-Lab	38.7464, 40.5300, -93.3946

Details

The Yxy color **15.0128, 0.2005, 0.1280** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **72.8959, 0.3857, 0.4862**, and the grayscale version is **14.3565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2695, 0.2433, 0.1866**, and **4.5979, 0.1625, 0.0835** is the 20% darker color. If you saturate the color by 10%, you get **10.9679, 0.1830, 0.1005**, and if you desaturate by 10%, it is **20.5405, 0.2199, 0.1601**.

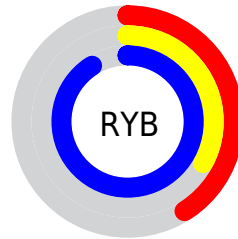
Distribution



Red (41%)

Green (33%)

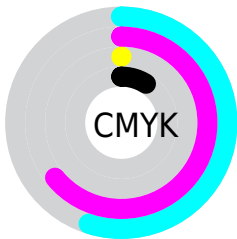
Blue (91%)



Red (41%)

Yellow (33%)

Blue (91%)

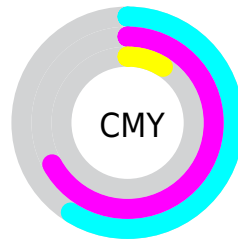


Cyan (55%)

Magenta (64%)

Yellow (0%)

Black (9%)



Cyan (59%)

Magenta (67%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0128, 0.2005, 0.1280 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 15.0128, 0.2005, 0.1280 by changing the saturation by 10% instead.

■ 15.0128, 0.2005,
0.1280

■ 15.0128, 0.2005,
0.1280

■ 223.4437, 0.2637,
0.2242

■ 8.8284, 0.1839,
0.1075

■ 34.8756, 0.2244,
0.1607

■ 4.6294, 0.1628,
0.0840

■ 49.3228, 0.2332,
0.1738

■ 2.0315, 0.1357,
0.0577

■ 67.2931, 0.2405,
0.1851

■ 0.6257, 0.1017,
0.0295

■ 89.1707, 0.2467,
0.1949

■ 0.0000, 0.0609,
0.0000

■ 115.3402, 0.2519,
0.2036

■ 0.0000, 0.0000,
0.0000

146.1860, 0.2564,

0.2113

182.0923, 0.2603,
0.2181

■ 15.0128, 0.2005,
0.1280

■ 15.0128, 0.2005,
0.1280

■ 10.9679, 0.1830,
0.1005

■ 20.5405, 0.2199,
0.1601

■ 8.2585, 0.1688,
0.0798

■ 27.6765, 0.2397,
0.1943

■ 6.7086, 0.1587,
0.0670

■ 36.5342, 0.2590,
0.2284

■ 6.2031, 0.1548,
0.0626

■ 47.2163, 0.2769,
0.2611

■ 59.8175, 0.2930,
0.2911

■ 74.4259, 0.3071,
0.3181

■ 91.1241, 0.3194,
0.3420

■ 98.6639, 0.3256,
0.3503

Harmonies

Analogous

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



15.0128, 0.1169, 0.1162



15.0128, 0.2005, 0.1280



15.0128, 0.3518, 0.1705

Triad

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



15.0128, 0.2005, 0.1280



15.0128, 0.5894, 0.4098



15.0128, 0.1129, 0.3938

Complementary

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



15.0128, 0.2005, 0.1280



72.8959, 0.3857, 0.4862

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.



15.0128, 0.2077, 0.6229



15.0128, 0.2005, 0.1280



15.0128, 0.4728, 0.5272

Square

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



15.0128, 0.2005, 0.1280



15.0128, 0.6261, 0.3174



15.0128, 0.3372, 0.6463



15.0128, 0.0769, 0.2127

Rectangle

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



15.0128, 0.2005, 0.1280



15.0128, 0.4776, 0.2147



15.0128, 0.3372, 0.6463



15.0128, 0.1380, 0.4776

Sweetspot

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



15.0132, 0.2005, 0.1280



65.8277, 0.2856, 0.2773



55.3143, 0.2300, 0.3024



13.1556, 0.2809, 0.2686



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.



15.0132, 0.2005, 0.1280



12.3020, 0.1784, 0.0935



21.5315, 0.2639, 0.1571



14.6504, 0.3002, 0.3048



3.5506, 0.1556, 0.0631



0.3107, 0.1660, 0.0688

Inverse Universe

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



28.2584, 0.3422, 0.1990



29.9207, 0.3492, 0.1843



64.3117, 0.3323, 0.5190



15.2752, 0.3159, 0.3090



12.2169, 0.3599, 0.1756



0.9693, 0.3536, 0.1722

Previews

White Background



This preview shows how the Yxy color 15.0128, 0.2005, 0.1280 looks on a white background.

Color Contrast Check

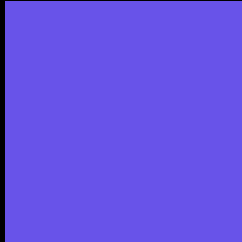
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0128, 0.2005, 0.1280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

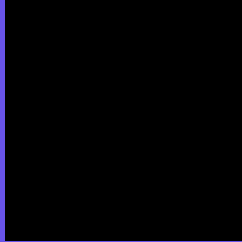
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0128, 0.2005, 0.1280

Background



This preview shows how black text looks on a background with the Yxy color 15.0128, 0.2005, 0.1280.



This preview shows how white text looks on a background with the Yxy color 15.0128, 0.2005, 0.1280.

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

15.0128, 0.2005, 0.1280

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

14.8696, 0.1846, 0.1846



Tritanopia

14.8660, 0.2476, 0.3064

Trichromacy



Original Color

15.0128, 0.2005, 0.1280



Protanomaly

14.2141, 0.1756, 0.1344



Deuteranomaly

13.9826, 0.1819, 0.1542



Tritanomaly

14.0431, 0.2243, 0.2132

Monochromacy



Original Color

15.0128, 0.2005, 0.1280



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

14.0056, 0.2582, 0.2280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0128, 0.2005, 0.1280 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(104, 83, 233)` looks like.

```
.text, #text, p{  
    color:rgb(104, 83, 233)  
}
```

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(104, 83, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 83, 233) }
```

Border

The CSS property to change the border of an element to Yxy 15.0128, 0.2005, 0.1280 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(104, 83, 233) }
```

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

```
.border{ border-color:rgb(104, 83, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 83, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 83, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 83, 233);  
box-shadow:4px 4px 4px 4px rgb(104, 83,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0128, 0.2005, 0.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 83, 233) }
```

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

```
.background{ background-color: rgb(104, 83,  
233) }
```

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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