

Converting Colors

$Yxy(15.0519, 0.2368, 0.1078)$

Have a look what the booklet for
Yxy(15.0519, 0.2368, 0.1078)
contains.

Yxy(15.0091, 0.2363, 0.1075)	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(15.0091, 0.2363, 0.1075)

Conversions

Conversions Part 1

Format	Color
Hex	A600FA
RGB	166, 0, 250
RGB Percent	65%, 0%, 98%
CMY	0.3488, 1.0000, 0.0195
CMYK	0.34, 1.00, 0.00, 0.02
HSL	280°, 100%, 49%
HSV	280°, 100%, 98%
XYZ	32.9921, 15.0091, 91.6183
YIQ	78.1340, 18.6860, 112.9420

Conversions

Conversions Part 2

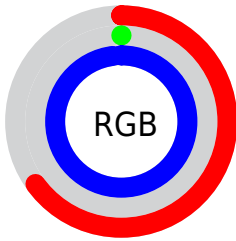
Format	Color
RYB	166, 0, 250
Decimal	10879226
CIELab	45.65, 85.68, -82.53
CIELCh	46, 118.959, 316.072
Yxy	15.0091, 0.2363, 0.1075
Android (android.graphics.Color)	4289069306 (0xFFA600FA)
YUV	78.1340, 84.7299, 77.0585
Hunter-Lab	38.7416, 84.2118, -113.0933

Details

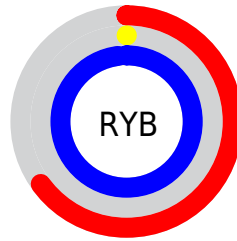
The Yxy color **15.0091, 0.2363, 0.1075** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **70.2681, 0.3162, 0.5871**, and the grayscale version is **7.4840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8587, 0.2943, 0.1694**, and **6.7488, 0.2104, 0.0933** is the 20% darker color. If you saturate the color by 10%, you get **15.0166, 0.2363, 0.1075**, and if you desaturate by 10%, it is **16.6496, 0.2448, 0.1159**.

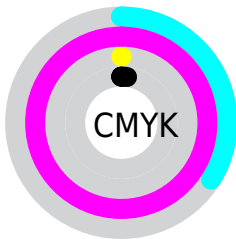
Distribution



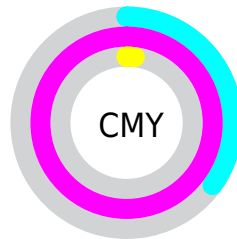
- Red (65%)
- Green (0%)
- Blue (98%)



- Red (65%)
- Yellow (0%)
- Blue (98%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (35%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0091, 0.2363, 0.1075 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 15.0091, 0.2363, 0.1075 by changing the saturation by 10% instead.

 15.0091, 0.2363,
0.1075


 15.0091, 0.2363,
0.1075


223.4213, 0.2833,
0.2060


 8.8258, 0.2231,
0.0884


 34.8691, 0.2547,
0.1394


 4.6277, 0.2060,
0.0672


 49.3146, 0.2613,
0.1526


 2.0305, 0.1833,
0.0447


 67.2830, 0.2667,
0.1642

 0.6251, 0.1534,
0.0220

 89.1586, 0.2712,
0.1745

 0.0000, 0.1148,
0.0000

 115.3258, 0.2750,
0.1837

 0.0000, 0.0642,
0.0000

 146.1691, 0.2782,

 0.0000, 0.0000,

0.1919

0.0000

182.0728, 0.2809,
0.1993

■ 15.0091, 0.2363,
0.1075

■ 15.0091, 0.2363,
0.1075

■ 15.0166, 0.2363,
0.1075

■ 16.6496, 0.2448,
0.1159

■ 19.2339, 0.2538,
0.1288

■ 23.0448, 0.2630,
0.1467

■ 28.2497, 0.2722,
0.1689

■ 34.9891, 0.2810,
0.1942

■ 43.3858, 0.2891,
0.2215

■ 53.5500, 0.2963,
0.2496

■ 65.5824, 0.3027,
0.2773

■ 79.5756, 0.3081,
0.3039

Harmonies

Analogous

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



15.0091, 0.1117, 0.0828



15.0091, 0.2363, 0.1075



15.0091, 0.4651, 0.1658

Triad

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



15.0091, 0.2363, 0.1075



15.0091, 0.5637, 0.4363



15.0091, 0.0485, 0.2760

Complementary

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



15.0091, 0.2363, 0.1075



70.2681, 0.3162, 0.5871

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.



15.0091, 0.1077, 0.6264



15.0091, 0.2363, 0.1075



15.0091, 0.3899, 0.6101

Square

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



15.0091, 0.2363, 0.1075



15.0091, 0.6815, 0.3185



15.0091, 0.2282, 0.7718



15.0091, 0.0403, 0.1294

Rectangle

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



15.0091, 0.2363, 0.1075



15.0091, 0.6216, 0.2167



15.0091, 0.2282, 0.7718



15.0091, 0.0604, 0.3724

Sweetspot

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



15.0166, 0.2363, 0.1075



55.9690, 0.2963, 0.2495



13.8024, 0.1636, 0.1091



10.9702, 0.2934, 0.2376



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.



15.0166, 0.2363, 0.1075



15.6952, 0.2362, 0.1075



25.1077, 0.3637, 0.1777



17.2156, 0.3084, 0.3052



8.0458, 0.2377, 0.1083



0.8033, 0.2477, 0.1138

Inverse Universe

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



20.9676, 0.5678, 0.2902



21.9261, 0.5681, 0.2903



68.5216, 0.2971, 0.5894



17.3214, 0.3241, 0.3211



11.1435, 0.5635, 0.2878



1.0510, 0.5302, 0.2694

Previews

White Background



This preview shows how the Yxy color 15.0091, 0.2363, 0.1075 looks on a white background.

Color Contrast Check

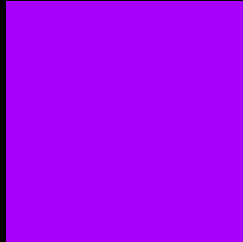
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0091, 0.2363, 0.1075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

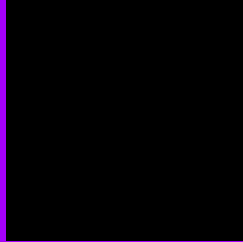
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.0091, 0.2363, 0.1075

Background



This preview shows how black text looks on a background with the Yxy color 15.0091, 0.2363, 0.1075.



This preview shows how white text looks on a background with the Yxy color 15.0091, 0.2363, 0.1075.

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

15.0091, 0.2363, 0.1075

Protanopia

15.5820, 0.1745, 0.1483

Deuteranopia

15.3941, 0.1850, 0.1861



Tritanopia

15.3307, 0.3660, 0.3164

Trichromacy



Original Color

15.0091, 0.2363, 0.1075



Protanomaly

10.8012, 0.1728, 0.1012



Deuteranomaly

10.2712, 0.1782, 0.1135



Tritanomaly

12.3034, 0.3063, 0.1857

Monochromacy



Original Color

15.0091, 0.2363, 0.1075



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.5193, 0.2697, 0.1638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0091, 0.2363, 0.1075 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(166, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 250)  
}
```

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(166, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 15.0091, 0.2363, 0.1075 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(166, 0, 250) }
```

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

```
.border{ border-color:rgb(166, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0091, 0.2363, 0.1075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 250) }
```

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

```
.background{ background-color: rgb(166, 0,  
250) }
```

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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