

Converting Colors

$Y_{xy}(7.1203, 0.0553, 0.0474)$

Have a look what the booklet for
Yxy(7.1203, 0.0553, 0.0474)
contains.

Yxy(15.0487, 0.1647, 0.1128)	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(15.0487, 0.1647, 0.1128)

Conversions

Conversions Part 1

Format	Color
Hex	005DFF
RGB	0, 93, 255
RGB Percent	0%, 36%, 100%
CMY	0.9984, 0.6354, 0.0000
CMYK	1.00, 0.64, 0.00, 0.00
HSL	218°, 100%, 50%
HSV	218°, 100%, 100%
XYZ	21.9727, 15.0487, 96.3891
YIQ	83.6610, -107.4300, 30.6660

Conversions

Conversions Part 2

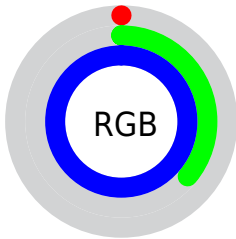
Format	Color
R _Y B	0, 68, 255
Decimal	24063
CIE Lab	45.70, 40.92, -85.66
CIE LCh	46, 94.927, 295.533
Yxy	15.0487, 0.1647, 0.1128
Android (android.graphics.Color)	4278214143 (0xFF005DFF)
YUV	83.6610, 84.4701, -73.3707
Hunter-Lab	38.7927, 33.2178, -120.1645

Details

The Yxy color **15.0487, 0.1647, 0.1128** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **47.2546, 0.5033, 0.4385**, and the grayscale version is **8.6553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5098, 0.2129, 0.1859**, and **6.1451, 0.1575, 0.0869** is the 20% darker color. If you saturate the color by 10%, you get **14.9985, 0.1646, 0.1125**, and if you desaturate by 10%, it is **18.4184, 0.1721, 0.1322**.

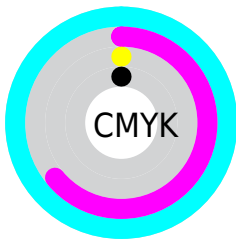
Distribution



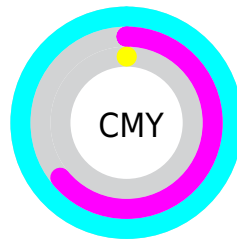
- Red (0%)
- Green (36%)
- Blue (100%)



- Red (0%)
- Yellow (27%)
- Blue (100%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0487, 0.1647, 0.1128 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 15.0487, 0.1647, 0.1128 by changing the saturation by 10% instead.


 15.0487, 0.1647,
0.1128


 15.0487, 0.1647,
0.1128


223.6608, 0.2433,
0.2133


 8.8536, 0.1461,
0.0927


 34.9386, 0.1930,
0.1460


 4.6458, 0.1237,
0.0703


 49.4021, 0.2038,
0.1595


 2.0410, 0.0970,
0.0465

 67.3906, 0.2130,
0.1714

 0.6311, 0.0664,
0.0227

 89.2884, 0.2208,
0.1819

 0.0000, 0.0328,
0.0000

 115.4800, 0.2276,
0.1912

 0.0000, 0.0000,
0.0000

146.3496, 0.2335,

0.1994

182.2817, 0.2387,
0.2067

■ 15.0487, 0.1647,
0.1128

■ 15.0487, 0.1647,
0.1128

■ 14.9985, 0.1646,
0.1125

■ 18.4184, 0.1721,
0.1322

■ 22.7104, 0.1823,
0.1544

■ 28.0380, 0.1955,
0.1784

■ 34.4833, 0.2109,
0.2033

■ 42.1182, 0.2279,
0.2280

■ 51.0076, 0.2456,
0.2518

■ 61.2109, 0.2634,
0.2740

■ 72.7835, 0.2808,
0.2945

■ 85.7774, 0.2974,
0.3129

Harmonies

Analogous

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



15.0487, 0.0947, 0.1085



15.0487, 0.1647, 0.1128



15.0487, 0.3043, 0.1477

Triad

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



15.0487, 0.1647, 0.1128



15.0487, 0.6222, 0.3769



15.0487, 0.1192, 0.4692

Complementary

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



15.0487, 0.1647, 0.1128



47.2546, 0.5033, 0.4385

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.



15.0487, 0.2279, 0.6821



15.0487, 0.1647, 0.1128



15.0487, 0.5079, 0.4921

Square

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



15.0487, 0.1647, 0.1128



15.0487, 0.6366, 0.2898



15.0487, 0.3654, 0.6346



15.0487, 0.0707, 0.2389

Rectangle

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



15.0487, 0.1647, 0.1128



15.0487, 0.4363, 0.1884



15.0487, 0.3654, 0.6346



15.0487, 0.1499, 0.5627

Sweetspot

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



15.0463, 0.1647, 0.1128



61.0382, 0.2631, 0.2737



74.1188, 0.2601, 0.4562



12.1108, 0.2556, 0.2645



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.



15.0463, 0.1647, 0.1128



14.9985, 0.1646, 0.1125



7.5749, 0.1543, 0.0624



18.4589, 0.2979, 0.3134



8.0950, 0.1654, 0.1155



0.9872, 0.1717, 0.1380

Inverse Universe

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



22.0586, 0.5569, 0.2842



22.0452, 0.5573, 0.2844



86.9015, 0.3956, 0.5240



18.0962, 0.3237, 0.3204



11.5452, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 15.0487, 0.1647, 0.1128 looks on a white background.

Color Contrast Check

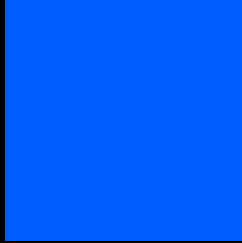
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0487, 0.1647, 0.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

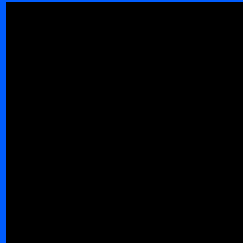
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

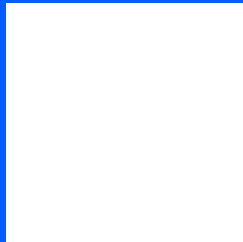
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0487, 0.1647, 0.1128

Background



This preview shows how black text looks on a background with the Yxy color 15.0487, 0.1647, 0.1128.



This preview shows how white text looks on a background with the Yxy color 15.0487, 0.1647, 0.1128.

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

15.0487, 0.1647, 0.1128

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.7397, 0.1856, 0.1881



Tritanopia

14.7000, 0.2200, 0.3122

Trichromacy



Original Color

15.0487, 0.1647, 0.1128

Protanomaly

14.7499, 0.1699, 0.1317

Deuteranomaly

14.6541, 0.1759, 0.1531

Tritanomaly

14.1690, 0.1905, 0.2057

Monochromacy



Original Color

15.0487, 0.1647, 0.1128

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.6760, 0.2094, 0.2002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0487, 0.1647, 0.1128 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(0, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 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(0, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.0487, 0.1647, 0.1128 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(0, 93, 255) }
```

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

```
.border{ border-color:rgb(0, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 255)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0487, 0.1647, 0.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 255) }
```

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

```
.background{ background-color: rgb(0, 93,  
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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