

Converting Colors

$Y_{xy}(14.4667, 0.1661, 0.1178)$

Have a look what the booklet for
Yxy(14.4667, 0.1661, 0.1178)
contains.

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Color

Yxy(14.4277, 0.1660, 0.1174)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 015DF5 |
| RGB | 1, 93, 245 |
| RGB Percent | 0%, 36%, 96% |
| CMY | 0.9972, 0.6352, 0.0394 |
| CMYK | 1.00, 0.62, 0.00, 0.04 |
| HSL | 217°, 99%, 48% |
| HSV | 217°, 100%, 96% |
| XYZ | 20.4003, 14.4277, 88.0655 |
| YIQ | 82.8200, -103.6240, 27.7680 |

Conversions

Conversions Part 2

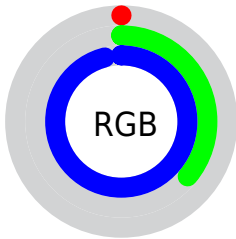
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 1, 68, 245 |
| Decimal | 89589 |
| CIE _{Lab} | 44.84, 37.12, -81.45 |
| CIE _{LCh} | 45, 89.508, 294.504 |
| Yxy | 14.4277, 0.1660, 0.1174 |
| Android (android.graphics.Color) | 4278279669 (0xFF015DF5) |
| YUV | 82.8200, 79.9547, -71.7561 |
| Hunter-Lab | 37.9838, 29.3970, -110.8752 |

Details

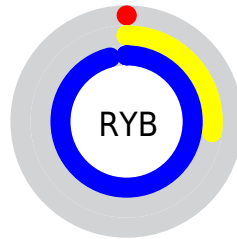
The Yxy color **14.4277, 0.1660, 0.1174** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated blue. A complement of this color would be **42.0749, 0.5070, 0.4355**, and the grayscale version is **8.4469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3097, 0.2113, 0.1854**, and **5.7845, 0.1587, 0.0912** is the 20% darker color. If you saturate the color by 10%, you get **14.3460, 0.1658, 0.1169**, and if you desaturate by 10%, it is **17.5803, 0.1734, 0.1369**.

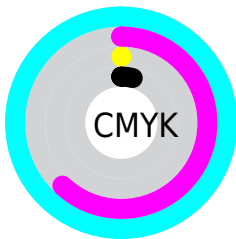
Distribution



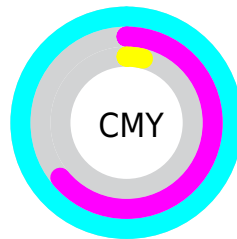
- Red (0%)
- Green (36%)
- Blue (96%)



- Red (0%)
- Yellow (27%)
- Blue (96%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (64%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4277, 0.1660, 0.1174 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 14.4277, 0.1660, 0.1174 by changing the saturation by 10% instead.


 14.4277, 0.1660,
0.1174


 14.4277, 0.1660,
0.1174


219.8756, 0.2447,
0.2179


 8.4187, 0.1470,
0.0967


 33.8460, 0.1946,
0.1511


 4.3640, 0.1240,
0.0735


 48.0242, 0.2054,
0.1647

 1.8792, 0.0963,
0.0484

 65.6941, 0.2146,
0.1766

 0.5358, 0.0646,
0.0222

 87.2404, 0.2224,
0.1870

 0.0000, 0.0259,
0.0000

 113.0472, 0.2292,
0.1961

 0.0000, 0.0000,
0.0000

143.4991, 0.2350,

0.2042

178.9804, 0.2402,
0.2115

■ 14.4277, 0.1660,
0.1174

■ 14.4277, 0.1660,
0.1174

■ 14.3460, 0.1658,
0.1169

■ 17.5803, 0.1734,
0.1369

■ 21.5514, 0.1837,
0.1588

■ 26.4438, 0.1967,
0.1825

■ 32.3294, 0.2120,
0.2068

■ 39.2714, 0.2287,
0.2309

■ 47.3266, 0.2462,
0.2541

■ 56.5474, 0.2639,
0.2757

■ 66.9822, 0.2811,
0.2956

■ 78.6768, 0.2976,
0.3135

Harmonies

Analogous

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



14.4277, 0.0983, 0.1143



14.4277, 0.1660, 0.1174



14.4277, 0.2994, 0.1509

Triad

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



14.4277, 0.1660, 0.1174



14.4277, 0.6155, 0.3764



14.4277, 0.1292, 0.4724

Complementary

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



14.4277, 0.1660, 0.1174



42.0749, 0.5070, 0.4355

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.



14.4277, 0.2390, 0.6677



14.4277, 0.1660, 0.1174



14.4277, 0.5114, 0.4886

Square

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



14.4277, 0.1660, 0.1174



14.4277, 0.6232, 0.2913



14.4277, 0.3755, 0.6245



14.4277, 0.0776, 0.2491

Rectangle

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



14.4277, 0.1660, 0.1174



14.4277, 0.4251, 0.1906



14.4277, 0.3755, 0.6245



14.4277, 0.1606, 0.5592

Sweetspot

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



14.4280, 0.1660, 0.1174



61.5702, 0.2632, 0.2750



67.5320, 0.2617, 0.4618



12.2351, 0.2558, 0.2660



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.



14.4280, 0.1660, 0.1174



15.6546, 0.1657, 0.1165



6.8700, 0.1536, 0.0621



16.9531, 0.2980, 0.3139



7.9764, 0.1666, 0.1198



0.8924, 0.1735, 0.1447

Inverse Universe

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



20.2120, 0.5503, 0.2807



22.1115, 0.5516, 0.2812



79.9539, 0.3986, 0.5216



16.5861, 0.3234, 0.3201



10.9046, 0.5469, 0.2786



0.9777, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 14.4277, 0.1660, 0.1174 looks on a white background.

Color Contrast Check

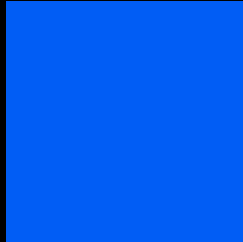
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4277, 0.1660, 0.1174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

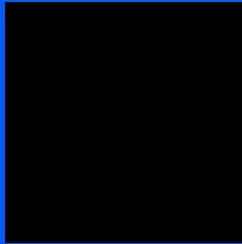
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4277, 0.1660, 0.1174

Background



This preview shows how black text looks on a background with the Yxy color 14.4277, 0.1660, 0.1174.



This preview shows how white text looks on a background with the Yxy color 14.4277, 0.1660, 0.1174.

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

14.4277, 0.1660, 0.1174

Protanopia

14.4090, 0.1744, 0.1476

Deuteranopia

14.1858, 0.1855, 0.1878



Tritanopia

14.1778, 0.2200, 0.3119

Trichromacy



Original Color

14.4277, 0.1660, 0.1174

Protanomaly

14.4147, 0.1710, 0.1355

Deuteranomaly

14.1567, 0.1768, 0.1565

Tritanomaly

13.5523, 0.1913, 0.2085

Monochromacy



Original Color

14.4277, 0.1660, 0.1174

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5263, 0.2112, 0.2062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4277, 0.1660, 0.1174 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(1, 93, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 93, 245)  
}
```

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(1, 93, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 93, 245) }
```

Border

The CSS property to change the border of an element to Yxy 14.4277, 0.1660, 0.1174 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(1, 93, 245) }
```

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

```
.border{ border-color:rgb(1, 93, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 93, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 93, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 93, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 93, 245)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4277, 0.1660, 0.1174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 93, 245) }
```

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

```
.background{ background-color: rgb(1, 93,  
245) }
```

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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