

Converting Colors

$Y_{xy}(12.1250, 0.1611, 0.1000)$

Have a look what the booklet for
Yxy(12.1250, 0.1611, 0.1000)
contains.

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Color

Yxy(12.1642, 0.1613, 0.1005)

Conversions

Conversions Part 1

Format	Color
Hex	014EF7
RGB	1, 78, 247
RGB Percent	0%, 31%, 97%
CMY	0.9976, 0.6943, 0.0312
CMYK	1.00, 0.68, 0.00, 0.03
HSL	221°, 100%, 49%
HSV	221°, 100%, 97%
XYZ	19.5232, 12.1642, 89.3494
YIQ	74.2430, -100.1410, 36.2350

Conversions

Conversions Part 2

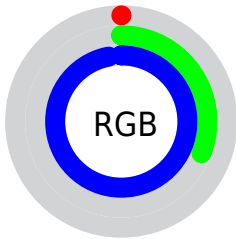
Format	Color
R _Y B	1, 60, 247
Decimal	85751
CIE Lab	41.48, 47.27, -88.15
CIE LCh	41, 100.023, 298.204
Yxy	12.1642, 0.1613, 0.1005
Android (android.graphics.Color)	4278275831 (0xFF014EF7)
YUV	74.2430, 85.1692, -64.2341
Hunter-Lab	34.8772, 38.8839, -127.4767

Details

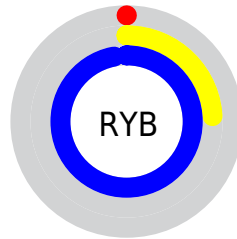
The Yxy color **12.1642, 0.1613, 0.1005** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **48.4211, 0.4893, 0.4496**, and the grayscale version is **6.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9762, 0.2082, 0.1660**, and **4.8182, 0.1545, 0.0763** is the 20% darker color. If you saturate the color by 10%, you get **12.1009, 0.1611, 0.1001**, and if you desaturate by 10%, it is **15.0962, 0.1687, 0.1196**.

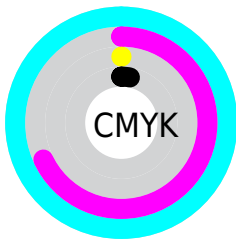
Distribution



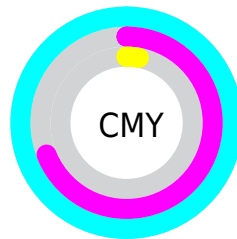
- Red (0%)
- Green (31%)
- Blue (97%)



- Red (0%)
- Yellow (24%)
- Blue (97%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (69%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1642, 0.1613, 0.1005 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 12.1642, 0.1613, 0.1005 by changing the saturation by 10% instead.


 12.1642, 0.1613,
0.1005


 12.1642, 0.1613,
0.1005


205.4893, 0.2436,
0.2067


 6.8556, 0.1415,
0.0798


 29.7938, 0.1912,
0.1353


 3.3720, 0.1177,
0.0573


 42.8836, 0.2026,
0.1496


 1.3289, 0.0895,
0.0344

 59.3359, 0.2122,
0.1622

 0.1634, 0.0582,
0.0068

 79.5352, 0.2204,
0.1733

 0.0000, 0.0180,
0.0000

 103.8658, 0.2275,
0.1831

 0.0000, 0.0000,
0.0000

132.7121, 0.2336,

0.1919

166.4584, 0.2389,
0.1997

■ 12.1642, 0.1613,
0.1005

■ 12.1642, 0.1613,
0.1005

■ 12.1009, 0.1611,
0.1001

■ 15.0962, 0.1687,
0.1196

■ 18.9534, 0.1793,
0.1422

■ 23.8527, 0.1929,
0.1673

■ 29.8784, 0.2090,
0.1938

■ 37.1045, 0.2266,
0.2203

■ 45.5980, 0.2449,
0.2459

■ 55.4205, 0.2631,
0.2699

■ 66.6293, 0.2808,
0.2919

■ 79.2780, 0.2975,
0.3118

Harmonies

Analogous

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



12.1642, 0.0852, 0.0931



12.1642, 0.1613, 0.1005



12.1642, 0.3191, 0.1386

Triad

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



12.1642, 0.1613, 0.1005



12.1642, 0.6290, 0.3710



12.1642, 0.0921, 0.4565

Complementary

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



12.1642, 0.1613, 0.1005



48.4211, 0.4893, 0.4496

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.



12.1642, 0.1950, 0.7241



12.1642, 0.1613, 0.1005



12.1642, 0.4967, 0.5033

Square

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



12.1642, 0.1613, 0.1005



12.1642, 0.6721, 0.2837



12.1642, 0.3349, 0.6651



12.1642, 0.0534, 0.2100

Rectangle

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



12.1642, 0.1613, 0.1005



12.1642, 0.4700, 0.1821



12.1642, 0.3349, 0.6651



12.1642, 0.1198, 0.5699

Sweetspot

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



12.1644, 0.1613, 0.1005



59.2248, 0.2626, 0.2692



69.4169, 0.2549, 0.4375



11.6881, 0.2549, 0.2593



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.



12.1644, 0.1613, 0.1005



12.9619, 0.1611, 0.0998



7.3074, 0.1576, 0.0643



16.7753, 0.2980, 0.3123



6.6205, 0.1619, 0.1030



0.7581, 0.1688, 0.1275

Inverse Universe

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



20.3448, 0.5751, 0.2943



21.8397, 0.5762, 0.2948



79.0871, 0.3867, 0.5310



16.5682, 0.3244, 0.3216



10.7677, 0.5714, 0.2922



0.9642, 0.5361, 0.2727

Previews

White Background



This preview shows how the Yxy color 12.1642, 0.1613, 0.1005 looks on a white background.

Color Contrast Check

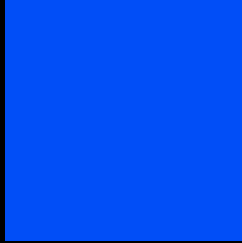
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1642, 0.1613, 0.1005 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 12.1642, 0.1613, 0.1005

Background



This preview shows how black text looks on a background with the Yxy color 12.1642, 0.1613, 0.1005.



This preview shows how white text looks on a background with the Yxy color 12.1642, 0.1613, 0.1005.

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

12.1706, 0.1614, 0.1006

Protanopia

12.0366, 0.1749, 0.1495

Tritanopia

11.9400, 0.2203, 0.3132

Trichromacy



Original Color

12.1706, 0.1614, 0.1006

Protanomaly

11.8857, 0.1687, 0.1273

Tritanomaly

11.1580, 0.1870, 0.1933

Monochromacy



Original Color

12.1706, 0.1614, 0.1006

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.4426, 0.2035, 0.1846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1642, 0.1613, 0.1005 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, 78, 247)` looks like.

```
.text, #text, p{  
    color:rgb(1, 78, 247)  
}
```

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, 78, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 78, 247) }
```

Border

The CSS property to change the border of an element to Yxy 12.1642, 0.1613, 0.1005 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, 78, 247) }
```

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

```
.border{ border-color:rgb(1, 78, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 78, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 78, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 78, 247);  
box-shadow:4px 4px 4px 4px rgb(1, 78, 247)  
}
```

Background

The CSS property to change the background color of an element to Yxy 12.1642, 0.1613, 0.1005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 78, 247) }
```

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

```
.background{ background-color: rgb(1, 78,  
247) }
```

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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