

Converting Colors

$Yxy(12.1417, 0.1164, 0.1173)$

Have a look what the booklet for
Yxy(12.1417, 0.1164, 0.1173)
contains.

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Color

Yxy(16.2486, 0.1722, 0.1399)

Conversions

Conversions Part 1

Format	Color
Hex	006AEA
RGB	0, 106, 234
RGB Percent	0%, 42%, 92%
CMY	1.0000, 0.5843, 0.0825
CMYK	1.00, 0.55, 0.00, 0.08
HSL	213°, 100%, 46%
HSV	213°, 100%, 92%
XYZ	20.0001, 16.2486, 79.8957
YIQ	88.8980, -104.2640, 17.3360

Conversions

Conversions Part 2

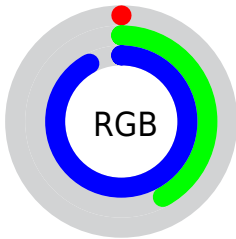
Format	Color
RYB	0, 73, 234
Decimal	27370
CIELab	47.30, 24.56, -71.26
CIELCh	47, 75.368, 289.014
Yxy	16.2486, 0.1722, 0.1399
Android (android.graphics.Color)	4278217450 (0xFF006AEA)
YUV	88.8980, 71.5353, -77.9635
Hunter-Lab	40.3096, 18.0232, -89.2993

Details

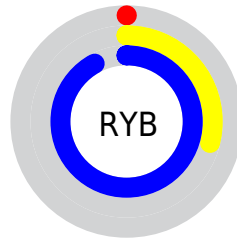
The Yxy color **16.2486, 0.1722, 0.1399** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **32.9113, 0.5290, 0.4182**, and the grayscale version is **9.8240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1851, 0.2130, 0.2016**, and **6.4060, 0.1639, 0.1099** is the 20% darker color. If you saturate the color by 10%, you get **16.2492, 0.1722, 0.1399**, and if you desaturate by 10%, it is **19.2734, 0.1794, 0.1587**.

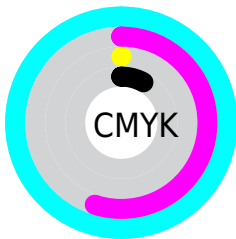
Distribution



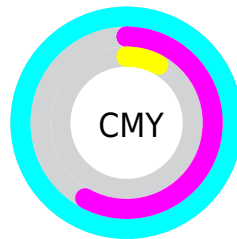
- Red (0%)
- Green (42%)
- Blue (92%)



- Red (0%)
- Yellow (29%)
- Blue (92%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (58%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2486, 0.1722, 0.1399 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 16.2486, 0.1722, 0.1399 by changing the saturation by 10% instead.

 16.2486, 0.1722,
0.1399


 16.2486, 0.1722,
0.1399


230.8042, 0.2473,
0.2332


 9.7002, 0.1538,
0.1193


 37.0292, 0.1997,
0.1722


 5.2007, 0.1311,
0.0952


 52.0303, 0.2100,
0.1850


 2.3655, 0.1033,
0.0676

 70.6178, 0.2187,
0.1959

 0.8080, 0.0703,
0.0383

 93.1760, 0.2262,
0.2054

 0.0000, 0.0270,
0.0000

 120.0893, 0.2326,
0.2137

 0.0000, 0.0000,
0.0000

151.7422, 0.2381,

0.2210

188.5190, 0.2430,
0.2274

■ 16.2486, 0.1722,
0.1399

■ 16.2486, 0.1722,
0.1399

■ 16.2492, 0.1722,
0.1399

■ 19.2734, 0.1794,
0.1587

■ 22.9330, 0.1890,
0.1790

■ 27.3149, 0.2011,
0.2003

■ 32.4756, 0.2152,
0.2218

■ 38.4640, 0.2309,
0.2429

■ 45.3243, 0.2474,
0.2631

■ 53.0967, 0.2642,
0.2820

■ 61.8186, 0.2810,
0.2993

■ 71.5250, 0.2972,
0.3150

Harmonies

Analogous

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



16.2486, 0.1162, 0.1438



16.2486, 0.1722, 0.1399



16.2486, 0.2788, 0.1662

Triad

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



16.2486, 0.1722, 0.1399



16.2486, 0.5832, 0.3723



16.2486, 0.1768, 0.4805

Complementary

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



16.2486, 0.1722, 0.1399



32.9113, 0.5290, 0.4182

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.



16.2486, 0.2857, 0.6062



16.2486, 0.1722, 0.1399



16.2486, 0.5178, 0.4670

Square

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



16.2486, 0.1722, 0.1399



16.2486, 0.5586, 0.2930



16.2486, 0.4068, 0.5680



16.2486, 0.1133, 0.2954

Rectangle

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



16.2486, 0.1722, 0.1399



16.2486, 0.3780, 0.1998



16.2486, 0.4068, 0.5680



16.2486, 0.2097, 0.5398

Sweetspot

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



16.2492, 0.1722, 0.1399



64.4152, 0.2640, 0.2817



60.2996, 0.2699, 0.4917



12.9025, 0.2569, 0.2739



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.



16.2492, 0.1722, 0.1399



19.6063, 0.1720, 0.1391



5.9887, 0.1508, 0.0604



15.6731, 0.2980, 0.3158



9.3785, 0.1730, 0.1428



0.9264, 0.1803, 0.1692

Inverse Universe

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



18.5270, 0.5192, 0.2634



22.5104, 0.5203, 0.2640



75.0198, 0.4135, 0.5099



15.1676, 0.3222, 0.3184



10.4396, 0.5154, 0.2613



0.8389, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 16.2486, 0.1722, 0.1399 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 16.2486, 0.1722, 0.1399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

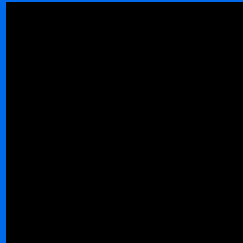
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

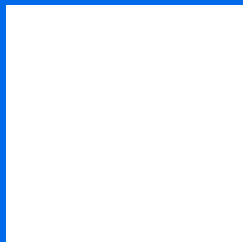
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2486, 0.1722, 0.1399

Background



This preview shows how black text looks on a background with the Yxy color 16.2486, 0.1722, 0.1399.



This preview shows how white text looks on a background with the Yxy color 16.2486, 0.1722, 0.1399.

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

16.2486, 0.1722, 0.1399

Protanopia

16.1725, 0.1735, 0.1447

Deuteranopia

16.0658, 0.1845, 0.1842



Tritanopia

16.0812, 0.2196, 0.3105

Trichromacy



Original Color

16.2486, 0.1722, 0.1399

Protanomaly

16.2849, 0.1731, 0.1433

Deuteranomaly

16.0220, 0.1795, 0.1660

Tritanomaly

15.5872, 0.1961, 0.2261

Monochromacy



Original Color

16.2486, 0.1722, 0.1399

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0073, 0.2184, 0.2255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2486, 0.1722, 0.1399 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, 106, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 234)  
}
```

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, 106, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 234) }
```

Border

The CSS property to change the border of an element to Yxy 16.2486, 0.1722, 0.1399 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, 106, 234) }
```

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

```
.border{ border-color:rgb(0, 106, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2486, 0.1722, 0.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 234) }
```

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

```
.background{ background-color: rgb(0, 106,  
234) }
```

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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