

Converting Colors

$Yxy(12.4542, 0.1373, 0.1259)$

Have a look what the booklet for
Yxy(12.4542, 0.1373, 0.1259)
contains.

Yxy(14.9390, 0.1723, 0.1404)	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(14.9390, 0.1723, 0.1404)

Conversions

Conversions Part 1

Format	Color
Hex	0066E1
RGB	0, 102, 225
RGB Percent	0%, 40%, 88%
CMY	1.0000, 0.5999, 0.1178
CMYK	1.00, 0.55, 0.00, 0.12
HSL	213°, 100%, 44%
HSV	213°, 100%, 88%
XYZ	18.3333, 14.9390, 73.1309
YIQ	85.5240, -100.2750, 16.6290

Conversions

Conversions Part 2

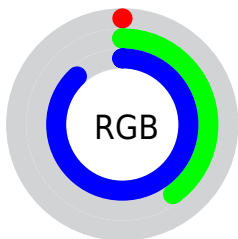
Format	Color
RYB	0, 70, 225
Decimal	26337
CIELab	45.55, 23.59, -69.03
CIELCh	46, 72.948, 288.867
Yxy	14.9390, 0.1723, 0.1404
Android (android.graphics.Color)	4278216417 (0xFF0066E1)
YUV	85.5240, 68.7617, -75.0045
Hunter-Lab	38.6510, 17.0283, -85.1259

Details

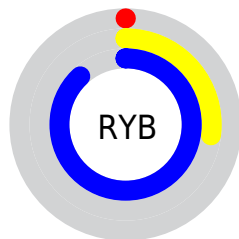
The Yxy color **14.9390, 0.1723, 0.1404** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **30.1551, 0.5288, 0.4183**, and the grayscale version is **9.0717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6797, 0.2104, 0.1959**, and **5.7908, 0.1639, 0.1101** is the 20% darker color. If you saturate the color by 10%, you get **14.9429, 0.1724, 0.1404**, and if you desaturate by 10%, it is **17.7184, 0.1796, 0.1592**.

Distribution



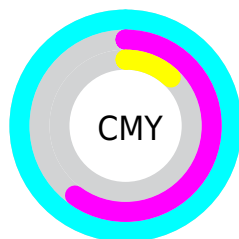
- Red (0%)
- Green (40%)
- Blue (88%)



- Red (0%)
- Yellow (27%)
- Blue (88%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (60%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9390, 0.1723, 0.1404 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 14.9390, 0.1723, 0.1404 by changing the saturation by 10% instead.

■ 14.9390, 0.1723,
0.1404

■ 14.9390, 0.1723,
0.1404

■ 222.9967, 0.2483,
0.2349

■ 8.7766, 0.1533,
0.1192

■ 34.7461, 0.2004,
0.1735

■ 4.5957, 0.1297,
0.0942

■ 49.1596, 0.2109,
0.1864

■ 2.0121, 0.1007,
0.0656

■ 67.0923, 0.2197,
0.1975

■ 0.6145, 0.0663,
0.0339

■ 88.9285, 0.2272,
0.2071

■ 0.0000, 0.0111,
0.0000

■ 115.0527, 0.2336,
0.2154

■ 0.0000, 0.0000,
0.0000

145.8491, 0.2392,

0.2227

181.7024, 0.2441,
0.2292

■ 14.9390, 0.1723,
0.1404

■ 14.9390, 0.1723,
0.1404

■ 14.9429, 0.1724,
0.1404

■ 17.7184, 0.1796,
0.1592

■ 21.0723, 0.1892,
0.1795

■ 25.0849, 0.2013,
0.2007

■ 29.8072, 0.2154,
0.2222

■ 35.2836, 0.2311,
0.2432

■ 41.5542, 0.2475,
0.2633

■ 48.6555, 0.2644,
0.2821

■ 56.6215, 0.2810,
0.2994

■ 65.4840, 0.2972,
0.3150

Harmonies

Analogous

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



14.9390, 0.1166, 0.1445



14.9390, 0.1723, 0.1404



14.9390, 0.2783, 0.1665

Triad

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



14.9390, 0.1723, 0.1404



14.9390, 0.5824, 0.3721



14.9390, 0.1779, 0.4807

Complementary

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



14.9390, 0.1723, 0.1404



30.1551, 0.5288, 0.4183

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.



14.9390, 0.2867, 0.6050



14.9390, 0.1723, 0.1404



14.9390, 0.5181, 0.4667

Square

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



14.9390, 0.1723, 0.1404



14.9390, 0.5571, 0.2929



14.9390, 0.4077, 0.5671



14.9390, 0.1141, 0.2965

Rectangle

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



14.9390, 0.1723, 0.1404



14.9390, 0.3770, 0.2000



14.9390, 0.4077, 0.5671



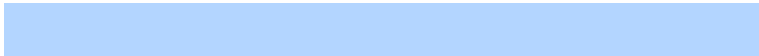
14.9390, 0.2107, 0.5394

Sweetspot

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



14.9429, 0.1724, 0.1404



64.4302, 0.2640, 0.2818



55.1909, 0.2698, 0.4914



12.9061, 0.2569, 0.2740



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.



14.9429, 0.1724, 0.1404



19.6293, 0.1720, 0.1392



5.4831, 0.1508, 0.0604



14.2620, 0.2981, 0.3158



8.8400, 0.1731, 0.1432



0.7899, 0.1813, 0.1727

Inverse Universe

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



16.9629, 0.5185, 0.2630



22.5127, 0.5201, 0.2639



68.6595, 0.4135, 0.5099



13.8034, 0.3221, 0.3184



9.8004, 0.5148, 0.2610



0.6972, 0.4773, 0.2403

Previews

White Background



This preview shows how the Yxy color 14.9390, 0.1723, 0.1404 looks on a white background.

Color Contrast Check

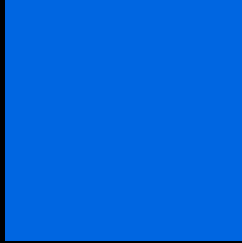
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9390, 0.1723, 0.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

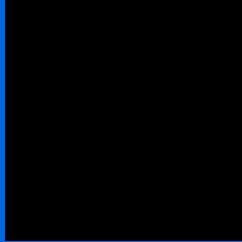
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

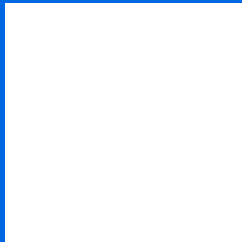
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.9390, 0.1723, 0.1404

Background



This preview shows how black text looks on a background with the Yxy color 14.9390, 0.1723, 0.1404.



This preview shows how white text looks on a background with the Yxy color 14.9390, 0.1723, 0.1404.

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

14.9390, 0.1723, 0.1404

Protanopia

14.8678, 0.1737, 0.1454

Deuteranopia

14.8260, 0.1849, 0.1858



Tritanopia

14.7260, 0.2194, 0.3099

Trichromacy



Original Color

14.9390, 0.1723, 0.1404

Protanomaly

14.9744, 0.1733, 0.1439

Deuteranomaly

14.7797, 0.1797, 0.1668

Tritanomaly

14.4546, 0.1963, 0.2267

Monochromacy



Original Color

14.9390, 0.1723, 0.1404

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2727, 0.2189, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9390, 0.1723, 0.1404 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, 102, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 225)  
}
```

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, 102, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 225) }
```

Border

The CSS property to change the border of an element to Yxy 14.9390, 0.1723, 0.1404 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, 102, 225) }
```

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

```
.border{ border-color:rgb(0, 102, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9390, 0.1723, 0.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 225) }
```

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

```
.background{ background-color: rgb(0, 102,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor