

Converting Colors

$Y_{xy}(11.5906, 0.1730, 0.1429)$

Have a look what the booklet for
 $Y_{xy}(11.5906, 0.1730, 0.1429)$
contains.

$Y_{xy}(11.6057, 0.1731, 0.1429)$	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(11.6057, 0.1731, 0.1429)

Conversions

Conversions Part 1	
Format	Color
Hex	015BC7
RGB	1, 91, 199
RGB Percent	0%, 36%, 78%
CMY	0.9975, 0.6433, 0.2195
CMYK	1.00, 0.54, 0.00, 0.22
HSL	213°, 99%, 39%
HSV	213°, 100%, 78%
XYZ	14.0584, 11.6057, 55.5514
YIQ	76.4020, -88.3080, 14.5080

Conversions

Conversions Part 2

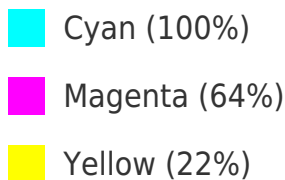
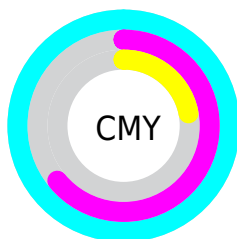
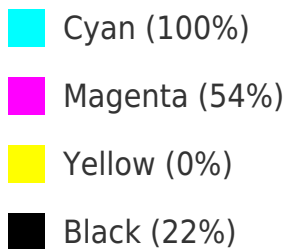
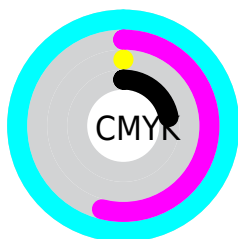
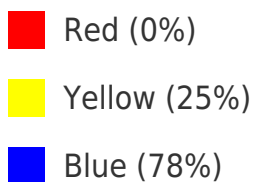
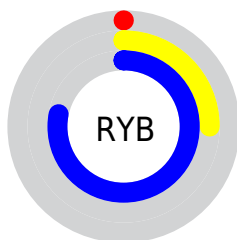
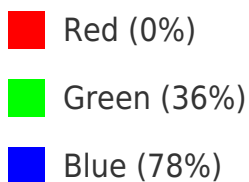
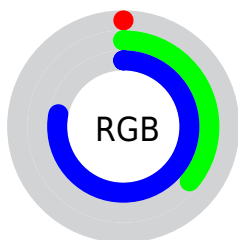
Format	Color
RYB	1, 63, 199
Decimal	89031
CIELab	40.58, 20.54, -62.26
CIELCh	41, 65.555, 288.255
Yxy	11.6057, 0.1731, 0.1429
Android (android.graphics.Color)	4278279111 (0xFF015BC7)
YUV	76.4020, 60.4408, -66.1276
Hunter-Lab	34.0671, 14.0437, -72.8340

Details

The Yxy color **11.6057, 0.1731, 0.1429** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **23.0224, 0.5277, 0.4189**, and the grayscale version is **7.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5728, 0.2036, 0.1792**, and **4.0466, 0.1638, 0.1095** is the 20% darker color. If you saturate the color by 10%, you get **11.5423, 0.1729, 0.1423**, and if you desaturate by 10%, it is **13.7450, 0.1806, 0.1617**.

Distribution



Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6057, 0.1731, 0.1429 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 11.6057, 0.1731, 0.1429 by changing the saturation by 10% instead.


 11.6057, 0.1731,
0.1429


 11.6057, 0.1731,
0.1429


 201.7772, 0.2518,
0.2407


 6.4758, 0.1522,
0.1196


 28.7749, 0.2031,
0.1783


 3.1365, 0.1257,
0.0916


 41.5830, 0.2141,
0.1918

 1.2034, 0.0925,
0.0594

 57.7193, 0.2231,
0.2032

 0.0645, 0.0519,
0.0060

 77.5681, 0.2308,
0.2129

 0.0000, 0.0000,
0.0000

 101.5139, 0.2372,
0.2213

 129.9411, 0.2428,

0.2286

163.2340, 0.2476,
0.2351

■ 11.6057, 0.1731,
0.1429

■ 11.6057, 0.1731,
0.1429

■ 11.5423, 0.1729,
0.1423

■ 13.7450, 0.1806,
0.1617

■ 16.3178, 0.1903,
0.1819

■ 19.3851, 0.2025,
0.2030

■ 22.9842, 0.2167,
0.2242

■ 27.1477, 0.2322,
0.2450

■ 31.9049, 0.2486,
0.2648

■ 37.2827, 0.2653,
0.2833

■ 43.3061, 0.2818,
0.3003

■ 49.9985, 0.2979,
0.3157

Harmonies

Analogous

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



11.6057, 0.1187, 0.1478



11.6057, 0.1731, 0.1429



11.6057, 0.2766, 0.1682

Triad

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



11.6057, 0.1731, 0.1429



11.6057, 0.5785, 0.3714



11.6057, 0.1828, 0.4806

Complementary

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



11.6057, 0.1731, 0.1429



23.0224, 0.5277, 0.4189

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.



11.6057, 0.2909, 0.5990



11.6057, 0.1731, 0.1429



11.6057, 0.5187, 0.4651

Square

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



11.6057, 0.1731, 0.1429



11.6057, 0.5504, 0.2928



11.6057, 0.4109, 0.5629



11.6057, 0.1181, 0.3009

Rectangle

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



11.6057, 0.1731, 0.1429



11.6057, 0.3728, 0.2010



11.6057, 0.4109, 0.5629



11.6057, 0.2155, 0.5368

Sweetspot

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



11.6060, 0.1731, 0.1429



64.4992, 0.2640, 0.2819



41.9159, 0.2694, 0.4896



12.9223, 0.2569, 0.2741



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.



11.6060, 0.1731, 0.1429



19.7342, 0.1722, 0.1398



4.1858, 0.1511, 0.0607



11.0697, 0.2983, 0.3161



7.5899, 0.1736, 0.1448



0.5037, 0.1847, 0.1850

Inverse Universe

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



12.9153, 0.5152, 0.2614



22.5233, 0.5194, 0.2635



52.1245, 0.4135, 0.5098



10.7159, 0.3220, 0.3185



8.3062, 0.5127, 0.2598



0.4079, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 11.6057, 0.1731, 0.1429 looks on a white background.

Color Contrast Check

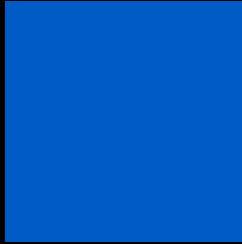
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6057, 0.1731, 0.1429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

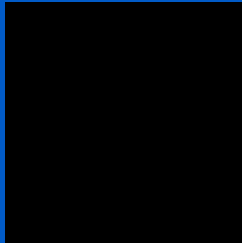
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6057, 0.1731, 0.1429

Background



This preview shows how black text looks on a background with the Yxy color 11.6057, 0.1731, 0.1429.



This preview shows how white text looks on a background with the Yxy color 11.6057, 0.1731, 0.1429.

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

11.6121, 0.1732, 0.1430

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.5625, 0.1854, 0.1875



Tritanopia

11.5003, 0.2196, 0.3104

Trichromacy



Original Color

11.6121, 0.1732, 0.1430

Protanomaly

11.6855, 0.1740, 0.1462

Deuteranomaly

11.4391, 0.1802, 0.1685

Tritanomaly

11.3210, 0.1974, 0.2307

Monochromacy



Original Color

11.6121, 0.1732, 0.1430

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.9183, 0.2202, 0.2276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6057, 0.1731, 0.1429 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, 91, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 91, 199)  
}
```

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, 91, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 91, 199) }
```

Border

The CSS property to change the border of an element to Yxy 11.6057, 0.1731, 0.1429 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, 91, 199) }
```

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

```
.border{ border-color:rgb(1, 91, 199) }
```

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

Here you see how a box with a 4 pixel rgb(1, 91, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 91, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 91, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 91, 199)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6057, 0.1731, 0.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 91, 199) }
```

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

```
.background{ background-color: rgb(1, 91,  
199) }
```

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