

Converting Colors

$Y_{xy}(15.0819, 0.1849, 0.1554)$

Have a look what the booklet for
Yxy(15.0819, 0.1849, 0.1554)
contains.

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Color

Yxy(15.1069, 0.1849, 0.1552)

Conversions

Conversions Part 1

Format	Color
Hex	3167D4
RGB	49, 103, 212
RGB Percent	19%, 40%, 83%
CMY	0.8077, 0.5961, 0.1688
CMYK	0.77, 0.51, 0.00, 0.17
HSL	220°, 65%, 51%
HSV	220°, 77%, 83%
XYZ	17.9978, 15.1069, 64.2335
YIQ	99.2800, -67.1730, 22.4510

Conversions

Conversions Part 2

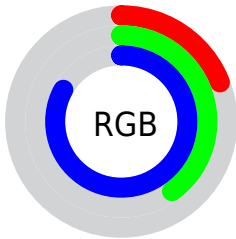
Format	Color
R_{YB}	49, 90, 212
Decimal	3237844
CIE _{Lab}	45.78, 20.83, -61.22
CIE _{LCh}	46, 64.665, 288.788
Yxy	15.1069, 0.1849, 0.1552
Android (android.graphics.Color)	4281427924 (0xFF3167D4)
YUV	99.2800, 55.5710, -44.0956
Hunter-Lab	38.8676, 14.6371, -70.7768

Details

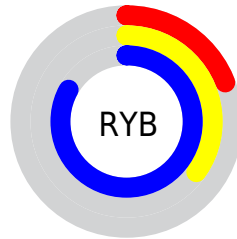
The Yxy color **15.1069, 0.1849, 0.1552** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **38.6649, 0.4596, 0.4452**, and the grayscale version is **12.4239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8540, 0.2172, 0.1992**, and **5.3266, 0.1663, 0.1187** is the 20% darker color. If you saturate the color by 10%, you get **12.1131, 0.1734, 0.1320**, and if you desaturate by 10%, it is **18.8272, 0.1992, 0.1803**.

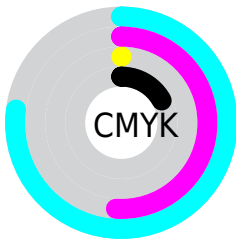
Distribution



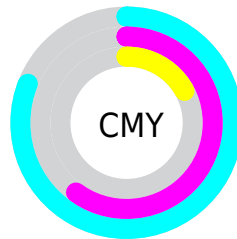
- Red (19%)
- Green (40%)
- Blue (83%)



- Red (19%)
- Yellow (35%)
- Blue (83%)



- Cyan (77%)
- Magenta (51%)
- Yellow (0%)
- Black (17%)



- Cyan (81%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1069, 0.1849, 0.1552 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 15.1069, 0.1849, 0.1552 by changing the saturation by 10% instead.

■ 15.1069, 0.1849,
0.1552

■ 15.1069, 0.1849,
0.1552

■ 224.0123, 0.2553,
0.2445

■ 8.8944, 0.1666,
0.1341

■ 35.0406, 0.2114,
0.1872

■ 4.6724, 0.1433,
0.1085

■ 49.5306, 0.2211,
0.1995

■ 2.0564, 0.1136,
0.0782

■ 67.5487, 0.2293,
0.2099

■ 0.6399, 0.0770,
0.0429

■ 89.4791, 0.2361,
0.2188

■ 0.0000, 0.0087,
0.0000

■ 115.7062, 0.2420,
0.2265

■ 0.0000, 0.0000,
0.0000

146.6146, 0.2470,

0.2333

182.5885, 0.2514,
0.2392

■ 15.1069, 0.1849,
0.1552

■ 15.1069, 0.1849,
0.1552

■ 12.1131, 0.1734,
0.1320

■ 18.8272, 0.1992,
0.1803

■ 9.7804, 0.1650,
0.1116

■ 23.3260, 0.2155,
0.2060

■ 9.1598, 0.1627,
0.1058

■ 28.6508, 0.2331,
0.2315

■ 34.8448, 0.2510,
0.2558

■ 41.9477, 0.2689,
0.2784

■ 49.9966, 0.2860,
0.2990

■ 59.0264, 0.3022,
0.3175

■ 69.0701, 0.3173,
0.3339

■ 80.1593, 0.3312,
0.3484

Harmonies

Analogous

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



15.1069, 0.1317, 0.1601



15.1069, 0.1849, 0.1552



15.1069, 0.2828, 0.1799

Triad

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



15.1069, 0.1849, 0.1552



15.1069, 0.5581, 0.3762



15.1069, 0.1939, 0.4614

Complementary

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



15.1069, 0.1849, 0.1552



38.6649, 0.4596, 0.4452

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.



15.1069, 0.2958, 0.5701



15.1069, 0.1849, 0.1552



15.1069, 0.5045, 0.4622

Square

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



15.1069, 0.1849, 0.1552



15.1069, 0.5302, 0.2998



15.1069, 0.4072, 0.5470



15.1069, 0.1318, 0.3035

Rectangle

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



15.1069, 0.1849, 0.1552



15.1069, 0.3707, 0.2115



15.1069, 0.4072, 0.5470



15.1069, 0.2248, 0.5109

Sweetspot

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



15.1073, 0.1849, 0.1552



68.0015, 0.2752, 0.2861



50.1817, 0.2550, 0.4134



13.6360, 0.2688, 0.2783



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.



15.1073, 0.1849, 0.1552



16.1303, 0.1679, 0.1191



8.4950, 0.1825, 0.0970



12.6741, 0.2982, 0.3130



5.8213, 0.1635, 0.1084



0.5009, 0.1732, 0.1435

Inverse Universe

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



17.1708, 0.4919, 0.2752



22.6586, 0.5462, 0.2832



57.5841, 0.3887, 0.5081



12.4880, 0.3240, 0.3213



8.9325, 0.5634, 0.2877



0.5539, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 15.1069, 0.1849, 0.1552 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 15.1069, 0.1849, 0.1552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

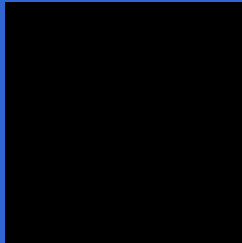
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1069, 0.1849, 0.1552

Background



This preview shows how black text looks on a background with the Yxy color 15.1069, 0.1849, 0.1552.



This preview shows how white text looks on a background with the Yxy color 15.1069, 0.1849, 0.1552.

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

15.1069, 0.1849, 0.1552

Protanopia

15.1168, 0.1816, 0.1546

Deuteranopia

14.9576, 0.1840, 0.1824



Tritanopia

14.9915, 0.2195, 0.3100

Trichromacy



Original Color

15.1069, 0.1849, 0.1552

Protanomaly

15.1970, 0.1827, 0.1550

Deuteranomaly

14.7675, 0.1826, 0.1705

Tritanomaly

14.6664, 0.2015, 0.2359

Monochromacy



Original Color

15.1069, 0.1849, 0.1552

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.7571, 0.2437, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1069, 0.1849, 0.1552 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(49, 103, 212)` looks like.

```
.text, #text, p{  
    color:rgb(49, 103, 212)  
}
```

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(49, 103, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 103, 212) }
```

Border

The CSS property to change the border of an element to Yxy 15.1069, 0.1849, 0.1552 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(49, 103, 212) }
```

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

```
.border{ border-color:rgb(49, 103, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 103, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 103, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 103, 212);  
box-shadow:4px 4px 4px 4px rgb(49, 103,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1069, 0.1849, 0.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 103, 212) }
```

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

```
.background{ background-color: rgb(49, 103,  
212) }
```

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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