

Converting Colors

$Yxy(16.0415, 0.1896, 0.1800)$

Have a look what the booklet for
Yxy(16.0415, 0.1896, 0.1800)
contains.

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Color

Yxy(16.1630, 0.1899, 0.1808)

Conversions

Conversions Part 1

Format	Color
Hex	2870C7
RGB	40, 112, 199
RGB Percent	16%, 44%, 78%
CMY	0.8433, 0.5608, 0.2196
CMYK	0.80, 0.44, 0.00, 0.22
HSL	213°, 67%, 47%
HSV	213°, 80%, 78%
XYZ	16.9765, 16.1630, 56.2576
YIQ	100.3900, -70.8390, 11.7930

Conversions

Conversions Part 2

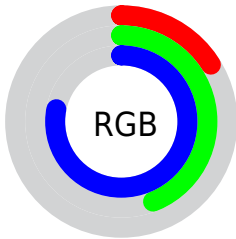
Format	Color
R_{YB}	40, 90, 199
Decimal	2650311
CIE _{Lab}	47.19, 9.22, -51.54
CIE _{LCh}	47, 52.360, 280.145
Yxy	16.1630, 0.1899, 0.1808
Android (android.graphics.Color)	4280840391 (0xFF2870C7)
YUV	100.3900, 48.6147, -52.9620
Hunter-Lab	40.2032, 5.0191, -54.8240

Details

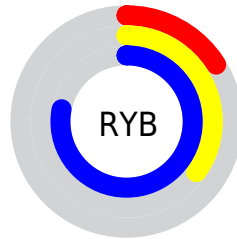
The Yxy color **16.1630, 0.1899, 0.1808** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **27.4625, 0.4877, 0.4249**, and the grayscale version is **12.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7294, 0.2159, 0.2111**, and **5.7942, 0.1737, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **13.6037, 0.1802, 0.1606**, and if you desaturate by 10%, it is **19.2188, 0.2021, 0.2019**.

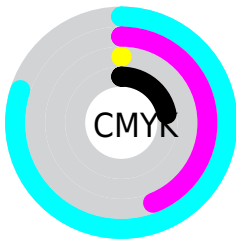
Distribution



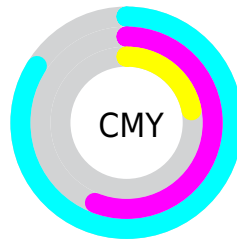
- Red (16%)
- Green (44%)
- Blue (78%)



- Red (16%)
- Yellow (35%)
- Blue (78%)



- Cyan (80%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1630, 0.1899, 0.1808 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 16.1630, 0.1899, 0.1808 by changing the saturation by 10% instead.

■ 16.1630, 0.1899,
0.1808

■ 16.1630, 0.1899,
0.1808

■ 230.3016, 0.2574,
0.2598

■ 9.6396, 0.1720,
0.1608

■ 36.8809, 0.2155,
0.2101

■ 5.1606, 0.1490,
0.1356

■ 51.8443, 0.2248,
0.2209

■ 2.3418, 0.1191,
0.1039

■ 70.3896, 0.2326,
0.2301

■ 0.7957, 0.0810,
0.0651

■ 92.9015, 0.2391,
0.2378

■ 0.0000, 0.0000,
0.0000

■ 119.7643, 0.2447,
0.2445

151.3623, 0.2495,

0.2503

188.0799, 0.2537,
0.2553

■ 16.1630, 0.1899,
0.1808

■ 16.1630, 0.1899,
0.1808

■ 13.6037, 0.1802,
0.1606

■ 19.2188, 0.2021,
0.2019

■ 11.4766, 0.1727,
0.1417

■ 22.8071, 0.2162,
0.2232

■ 11.4606, 0.1727,
0.1416

■ 26.9612, 0.2318,
0.2441

■ 31.7106, 0.2482,
0.2640

■ 37.0823, 0.2649,
0.2827

■ 43.1015, 0.2814,
0.2998

■ 49.7918, 0.2975,
0.3152

■ 57.1754, 0.3128,
0.3291

■ 65.2735, 0.3273,
0.3414

Harmonies

Analogous

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



16.1630, 0.1519, 0.1957



16.1630, 0.1899, 0.1808



16.1630, 0.2629, 0.1948

Triad

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



16.1630, 0.1899, 0.1808



16.1630, 0.5136, 0.3582



16.1630, 0.2418, 0.4629

Complementary

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



16.1630, 0.1899, 0.1808



27.4625, 0.4877, 0.4249

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.



16.1630, 0.3338, 0.5223



16.1630, 0.1899, 0.1808



16.1630, 0.4935, 0.4295

Square

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



16.1630, 0.1899, 0.1808



16.1630, 0.4656, 0.2912



16.1630, 0.4251, 0.4959



16.1630, 0.1749, 0.3453

Rectangle

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



16.1630, 0.1899, 0.1808



16.1630, 0.3295, 0.2183



16.1630, 0.4251, 0.4959



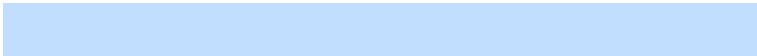
16.1630, 0.2710, 0.4928

Sweetspot

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



16.1635, 0.1899, 0.1808



70.6526, 0.2741, 0.2924



42.7724, 0.2657, 0.4549



14.3182, 0.2681, 0.2861



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.



16.1635, 0.1899, 0.1808



20.9834, 0.1746, 0.1464



6.2024, 0.1667, 0.0850



11.0656, 0.2983, 0.3160



7.5396, 0.1734, 0.1441



0.5012, 0.1846, 0.1844

Inverse Universe

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



14.8271, 0.4630, 0.2521



22.8642, 0.5101, 0.2603



52.4294, 0.4083, 0.4981



10.7155, 0.3220, 0.3186



8.3011, 0.5137, 0.2603



0.4076, 0.4633, 0.2326

Previews

White Background



This preview shows how the Yxy color 16.1630, 0.1899, 0.1808 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 16.1630, 0.1899, 0.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

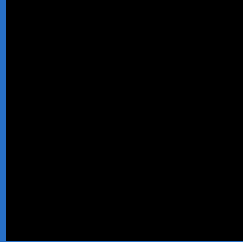
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1630, 0.1899, 0.1808

Background



This preview shows how black text looks on a background with the Yxy color 16.1630, 0.1899, 0.1808.



This preview shows how white text looks on a background with the Yxy color 16.1630, 0.1899, 0.1808.

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

16.1630, 0.1899, 0.1808

Protanopia

16.0048, 0.2033, 0.1827

Deuteranopia

16.1534, 0.1868, 0.1814



Tritanopia

16.1088, 0.2190, 0.3083

Trichromacy



Original Color

16.1630, 0.1899, 0.1808

Protanomaly

15.8835, 0.1975, 0.1814

Deuteranomaly

16.2251, 0.1879, 0.1817

Tritanomaly

15.9688, 0.2055, 0.2524

Monochromacy



Original Color

16.1630, 0.1899, 0.1808

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2979, 0.2456, 0.2606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1630, 0.1899, 0.1808 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(40, 112, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 112, 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(40, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 112, 199) }
```

Border

The CSS property to change the border of an element to Yxy 16.1630, 0.1899, 0.1808 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(40, 112, 199) }
```

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

```
.border{ border-color:rgb(40, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 112,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1630, 0.1899, 0.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 112, 199) }
```

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

```
.background{ background-color: rgb(40, 112,  
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](#).

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