

Converting Colors

$Y_{xy}(17.1666, 0.1849, 0.1631)$

Have a look what the booklet for
Yxy(17.1666, 0.1849, 0.1631)
contains.

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Color

Yxy(17.1639, 0.1848, 0.1631)

Conversions

Conversions Part 1

Format	Color
Hex	2B70DA
RGB	43, 112, 218
RGB Percent	17%, 44%, 85%
CMY	0.8312, 0.5608, 0.1451
CMYK	0.80, 0.49, 0.00, 0.15
HSL	216°, 70%, 51%
HSV	216°, 80%, 85%
XYZ	19.4475, 17.1639, 68.6240
YIQ	103.4530, -75.1500, 18.3380

Conversions

Conversions Part 2

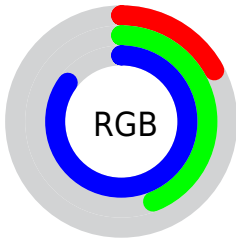
Format	Color
R_{YB}	43, 92, 218
Decimal	2846938
CIE _{Lab}	48.47, 16.76, -60.33
CIE _{LCh}	48, 62.612, 285.527
Yxy	17.1639, 0.1848, 0.1631
Android (android.graphics.Color)	4281037018 (0xFF2B70DA)
YUV	103.4530, 56.4717, -53.0173
Hunter-Lab	41.4293, 11.2890, -69.2081

Details

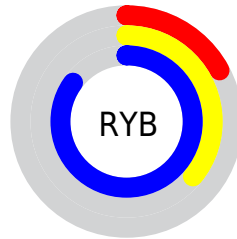
The Yxy color **17.1639, 0.1848, 0.1631** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **36.5988, 0.4778, 0.4360**, and the grayscale version is **13.5562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1274, 0.2189, 0.2119**, and **6.3892, 0.1690, 0.1284** is the 20% darker color. If you saturate the color by 10%, you get **14.1075, 0.1747, 0.1416**, and if you desaturate by 10%, it is **20.9006, 0.1976, 0.1861**.

Distribution



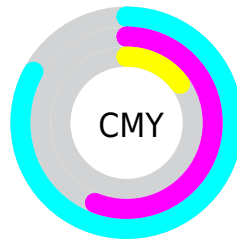
- Red (17%)
- Green (44%)
- Blue (85%)



- Red (17%)
- Yellow (36%)
- Blue (85%)



- Cyan (80%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1639, 0.1848, 0.1631 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 17.1639, 0.1848, 0.1631 by changing the saturation by 10% instead.

■ 17.1639, 0.1848,
0.1631

■ 17.1639, 0.1848,
0.1631

■ 236.1151, 0.2539,
0.2479

■ 10.3514, 0.1672,
0.1430

■ 38.6074, 0.2105,
0.1935

■ 5.6326, 0.1449,
0.1186

■ 54.0071, 0.2201,
0.2051

■ 2.6230, 0.1167,
0.0891

■ 73.0381, 0.2280,
0.2150

■ 0.9382, 0.0817,
0.0552

■ 96.0847, 0.2348,
0.2235

■ 0.0000, 0.0285,
0.0000

■ 123.5313, 0.2406,
0.2309

■ 0.0000, 0.0000,
0.0000

155.7623, 0.2457,

0.2373

193.1621, 0.2501,
0.2429

■ 17.1639, 0.1848,
0.1631

■ 17.1639, 0.1848,
0.1631

■ 14.1075, 0.1747,
0.1416

■ 20.9006, 0.1976,
0.1861

■ 11.7029, 0.1674,
0.1226

■ 25.3686, 0.2125,
0.2097

■ 30.6146, 0.2289,
0.2331

■ 36.6800, 0.2461,
0.2555

■ 43.6030, 0.2634,
0.2765

■ 51.4190, 0.2805,
0.2957

■ 60.1613, 0.2969,
0.3131

■ 69.8612, 0.3123,
0.3286

■ 80.5486, 0.3268,
0.3424

Harmonies

Analogous

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



17.1639, 0.1373, 0.1719



17.1639, 0.1848, 0.1631



17.1639, 0.2733, 0.1838

Triad

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



17.1639, 0.1848, 0.1631



17.1639, 0.5448, 0.3692



17.1639, 0.2118, 0.4662

Complementary

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



17.1639, 0.1848, 0.1631



36.5988, 0.4778, 0.4360

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.



17.1639, 0.3115, 0.5545



17.1639, 0.1848, 0.1631



17.1639, 0.5040, 0.4499

Square

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



17.1639, 0.1848, 0.1631



17.1639, 0.5069, 0.2958



17.1639, 0.4167, 0.5283



17.1639, 0.1464, 0.3210

Rectangle

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



17.1639, 0.1848, 0.1631



17.1639, 0.3534, 0.2125



17.1639, 0.4167, 0.5283



17.1639, 0.2426, 0.5081

Sweetspot

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



17.1644, 0.1848, 0.1631



68.7619, 0.2738, 0.2883



52.8017, 0.2601, 0.4372



13.8679, 0.2676, 0.2813



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.



17.1644, 0.1848, 0.1631



17.7308, 0.1697, 0.1286



7.7721, 0.1709, 0.0862



13.4547, 0.2981, 0.3144



7.2066, 0.1682, 0.1253



0.6319, 0.1772, 0.1580

Inverse Universe

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



17.8084, 0.4841, 0.2636



22.5359, 0.5340, 0.2736



62.6731, 0.3992, 0.5057



13.1361, 0.3230, 0.3198



9.3513, 0.5391, 0.2744



0.6225, 0.4957, 0.2504

Previews

White Background



This preview shows how the Yxy color 17.1639, 0.1848, 0.1631 looks on a white background.

Color Contrast Check

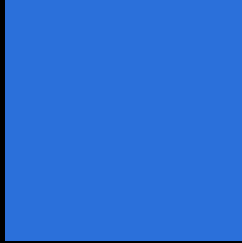
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1639, 0.1848, 0.1631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

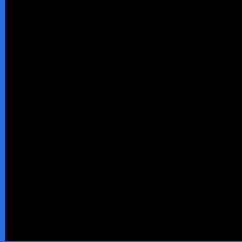
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

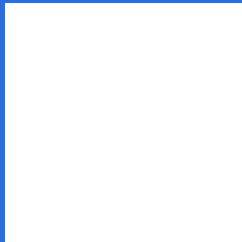
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.1639, 0.1848, 0.1631

Background



This preview shows how black text looks on a background with the Yxy color 17.1639, 0.1848, 0.1631.



This preview shows how white text looks on a background with the Yxy color 17.1639, 0.1848, 0.1631.

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

17.1639, 0.1848, 0.1631

Protanopia

17.2194, 0.1890, 0.1640

Deuteranopia

17.1304, 0.1836, 0.1810



Tritanopia

16.9563, 0.2191, 0.3087

Trichromacy



Original Color

17.1639, 0.1848, 0.1631

Protanomaly

17.0824, 0.1872, 0.1634

Deuteranomaly

17.0248, 0.1829, 0.1732

Tritanomaly

16.7824, 0.2025, 0.2418

Monochromacy



Original Color

17.1639, 0.1848, 0.1631

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.1017, 0.2415, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1639, 0.1848, 0.1631 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(43, 112, 218)` looks like.

```
.text, #text, p{  
    color:rgb(43, 112, 218)  
}
```

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(43, 112, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 112, 218) }
```

Border

The CSS property to change the border of an element to Yxy 17.1639, 0.1848, 0.1631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

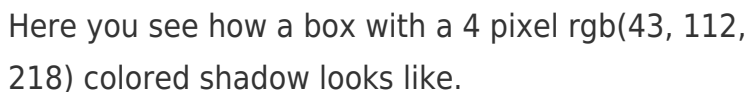
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(43, 112, 218) }
```

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

```
.border{ border-color:rgb(43, 112, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(43, 112, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 112, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 112, 218);  
box-shadow:4px 4px 4px 4px rgb(43, 112,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1639, 0.1848, 0.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 112, 218) }
```

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

```
.background{ background-color: rgb(43, 112,  
218) }
```

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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