

Converting Colors

$Y_{xy}(17.4926, 0.1836, 0.1661)$

Have a look what the booklet for
Yxy(17.4926, 0.1836, 0.1661)
contains.

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Color

Yxy(17.4367, 0.1833, 0.1654)

Conversions

Conversions Part 1

Format	Color
Hex	2272DA
RGB	34, 114, 218
RGB Percent	13%, 45%, 85%
CMY	0.8675, 0.5528, 0.1452
CMYK	0.85, 0.48, 0.00, 0.15
HSL	214°, 73%, 49%
HSV	214°, 85%, 85%
XYZ	19.3237, 17.4367, 68.6610
YIQ	101.9360, -81.0640, 15.3840

Conversions

Conversions Part 2

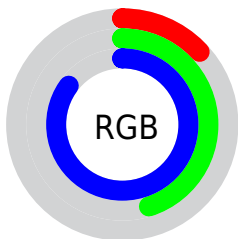
Format	Color
RYB	34, 90, 218
Decimal	2257626
CIELab	48.81, 14.67, -59.77
CIELCh	49, 61.546, 283.790
Yxy	17.4367, 0.1833, 0.1654
Android (android.graphics.Color)	4280447706 (0xFF2272DA)
YUV	101.9360, 57.2196, -59.5799
Hunter-Lab	41.7573, 9.5281, -68.2597

Details

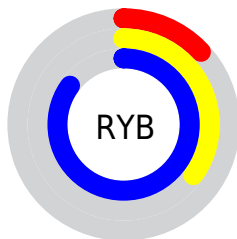
The Yxy color **17.4367, 0.1833, 0.1654** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.1182, 0.4952, 0.4288**, and the grayscale version is **13.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5750, 0.2175, 0.2140**, and **6.6229, 0.1700, 0.1320** is the 20% darker color. If you saturate the color by 10%, you get **14.5870, 0.1747, 0.1454**, and if you desaturate by 10%, it is **20.8947, 0.1946, 0.1868**.

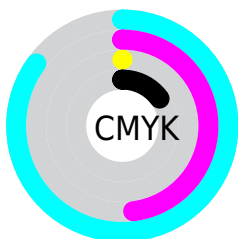
Distribution



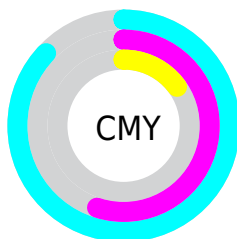
- Red (13%)
- Green (45%)
- Blue (85%)



- Red (13%)
- Yellow (35%)
- Blue (85%)



- Cyan (85%)
- Magenta (48%)
- Yellow (0%)
- Black (15%)



- Cyan (87%)
- Magenta (55%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4367, 0.1833, 0.1654 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 17.4367, 0.1833, 0.1654 by changing the saturation by 10% instead.

■ 17.4367, 0.1833,
0.1654

■ 17.4367, 0.1833,
0.1654

■ 237.6765, 0.2529,
0.2493

■ 10.5463, 0.1656,
0.1454

■ 39.0751, 0.2091,
0.1955

■ 5.7627, 0.1433,
0.1211

■ 54.5919, 0.2188,
0.2070

■ 2.7013, 0.1152,
0.0916

■ 73.7530, 0.2268,
0.2168

■ 0.9779, 0.0803,
0.0575

■ 96.9428, 0.2336,
0.2252

■ 0.0000, 0.0268,
0.0000

■ 124.5457, 0.2395,
0.2325

■ 0.0000, 0.0000,
0.0000

156.9460, 0.2446,

0.2388

194.5281, 0.2490,
0.2444

■ 17.4367, 0.1833,
0.1654

■ 17.4367, 0.1833,
0.1654

■ 14.5870, 0.1747,
0.1454

■ 20.8947, 0.1946,
0.1868

■ 13.2374, 0.1709,
0.1351

■ 25.0121, 0.2081,
0.2088

■ 29.8342, 0.2234,
0.2308

■ 35.4009, 0.2398,
0.2521

■ 41.7485, 0.2566,
0.2721

■ 48.9108, 0.2735,
0.2907

■ 56.9189, 0.2900,
0.3076

■ 65.8024, 0.3059,
0.3227

■ 75.5893, 0.3208,
0.3362

Harmonies

Analogous

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



17.4367, 0.1384, 0.1761



17.4367, 0.1833, 0.1654



17.4367, 0.2681, 0.1842

Triad

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



17.4367, 0.1833, 0.1654



17.4367, 0.5405, 0.3652



17.4367, 0.2191, 0.4704

Complementary

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



17.4367, 0.1833, 0.1654



33.1182, 0.4952, 0.4288

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.



17.4367, 0.3185, 0.5505



17.4367, 0.1833, 0.1654



17.4367, 0.5051, 0.4443

Square

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



17.4367, 0.1833, 0.1654



17.4367, 0.4981, 0.2929



17.4367, 0.4215, 0.5214



17.4367, 0.1519, 0.3292

Rectangle

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



17.4367, 0.1833, 0.1654



17.4367, 0.3456, 0.2116



17.4367, 0.4215, 0.5214



17.4367, 0.2501, 0.5095

Sweetspot

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



17.4372, 0.1833, 0.1654



69.0029, 0.2723, 0.2894



52.2194, 0.2646, 0.4590



13.9717, 0.2664, 0.2830



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.



17.4372, 0.1833, 0.1654



18.6073, 0.1705, 0.1336



6.7060, 0.1619, 0.0764



13.5457, 0.2982, 0.3155



8.1380, 0.1716, 0.1378



0.6966, 0.1805, 0.1696

Inverse Universe

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



17.2492, 0.4831, 0.2563



22.4096, 0.5278, 0.2681



63.7669, 0.4080, 0.5044



13.1453, 0.3224, 0.3189



9.4453, 0.5220, 0.2649



0.6290, 0.4812, 0.2424

Previews

White Background



This preview shows how the Yxy color 17.4367, 0.1833, 0.1654 looks on a white background.

Color Contrast Check

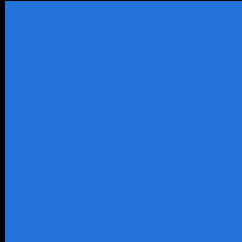
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4367, 0.1833, 0.1654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

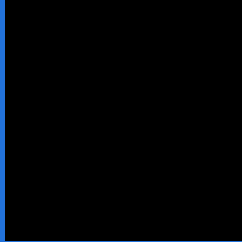
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

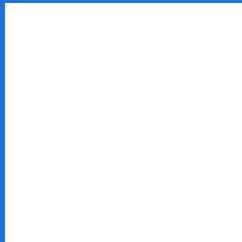
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.4367, 0.1833, 0.1654

Background



This preview shows how black text looks on a background with the Yxy color 17.4367, 0.1833, 0.1654.



This preview shows how white text looks on a background with the Yxy color 17.4367, 0.1833, 0.1654.

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

17.4367, 0.1833, 0.1654

Protanopia

17.5069, 0.1913, 0.1670

Deuteranopia

17.4131, 0.1838, 0.1817



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.4367, 0.1833, 0.1654

Protanomaly

17.4981, 0.1876, 0.1663

Deuteranomaly

17.4539, 0.1833, 0.1763

Tritanomaly

16.9973, 0.2025, 0.2438

Monochromacy



Original Color

17.4367, 0.1833, 0.1654

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.8995, 0.2386, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4367, 0.1833, 0.1654 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(34, 114, 218)` looks like.

```
.text, #text, p{  
    color:rgb(34, 114, 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(34, 114, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 114, 218) }
```

Border

The CSS property to change the border of an element to Yxy 17.4367, 0.1833, 0.1654 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(34, 114, 218) }
```

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

```
.border{ border-color:rgb(34, 114, 218) }
```

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

Here you see how a box with a 4 pixel rgb(34, 114, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 114, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 114, 218);  
box-shadow:4px 4px 4px 4px rgb(34, 114,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4367, 0.1833, 0.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 114, 218) }
```

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

```
.background{ background-color: rgb(34, 114,  
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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