

Converting Colors

$Y_{xy}(16.3464, 0.1827, 0.1778)$

Have a look what the booklet for
Yxy(16.3464, 0.1827, 0.1778)
contains.

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Color

Yxy(16.3464, 0.1827, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	0072CB
RGB	0, 114, 203
RGB Percent	0%, 45%, 80%
CMY	1.0000, 0.5529, 0.2038
CMYK	1.00, 0.44, 0.00, 0.20
HSL	206°, 100%, 40%
HSV	206°, 100%, 80%
XYZ	16.7969, 16.3464, 58.7937
YIQ	90.0600, -96.5130, 3.5110

Conversions

Conversions Part 2

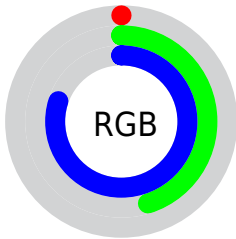
Format	Color
RYB	0, 73, 203
Decimal	29387
CIELab	47.43, 7.20, -53.51
CIELCh	47, 53.990, 277.664
Yxy	16.3464, 0.1827, 0.1778
Android (android.graphics.Color)	4278219467 (0xFF0072CB)
YUV	90.0600, 55.6794, -78.9826
Hunter-Lab	40.4307, 3.4040, -57.9172

Details

The Yxy color **16.3464, 0.1827, 0.1778** 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 **19.8526, 0.5597, 0.3938**, and the grayscale version is **10.1292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7269, 0.2112, 0.2122**, and **6.1524, 0.1737, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **16.3490, 0.1827, 0.1778**, and if you desaturate by 10%, it is **18.6084, 0.1892, 0.1940**.

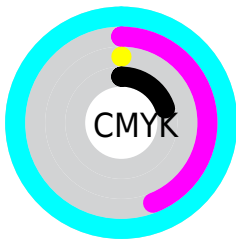
Distribution



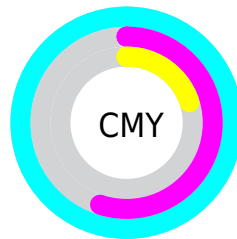
- Red (0%)
- Green (45%)
- Blue (80%)



- Red (0%)
- Yellow (29%)
- Blue (80%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (55%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3464, 0.1827, 0.1778 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 16.3464, 0.1827, 0.1778 by changing the saturation by 10% instead.


 16.3464, 0.1827,
0.1778


 16.3464, 0.1827,
0.1778


231.3772, 0.2534,
0.2581


 9.7696, 0.1643,
0.1576


 37.1985, 0.2092,
0.2074


 5.2465, 0.1409,
0.1324

 52.2427, 0.2190,
0.2185


 2.3926, 0.1110,
0.1009

 70.8780, 0.2272,
0.2278

 0.8221, 0.0737,
0.0630

 93.4890, 0.2341,
0.2357

 0.0000, 0.0000,
0.0000

 120.4600, 0.2400,
0.2425

152.1755, 0.2451,

0.2484

189.0197, 0.2495,
0.2536

■ 16.3464, 0.1827,
0.1778

■ 16.3464, 0.1827,
0.1778

■ 16.3490, 0.1827,
0.1778

■ 18.6084, 0.1892,
0.1940

■ 21.2282, 0.1977,
0.2108

■ 24.2685, 0.2083,
0.2279

■ 27.7634, 0.2209,
0.2449

■ 31.7423, 0.2349,
0.2614

■ 36.2316, 0.2500,
0.2772

■ 41.2553, 0.2657,
0.2919

■ 46.8353, 0.2816,
0.3055

■ 52.9923, 0.2974,
0.3179

Harmonies

Analogous

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



16.3464, 0.1470, 0.1954



16.3464, 0.1827, 0.1778



16.3464, 0.2540, 0.1899

Triad

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



16.3464, 0.1827, 0.1778



16.3464, 0.5174, 0.3521



16.3464, 0.2468, 0.4756

Complementary

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



16.3464, 0.1827, 0.1778



19.8526, 0.5597, 0.3938

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.



16.3464, 0.3415, 0.5284



16.3464, 0.1827, 0.1778



16.3464, 0.5013, 0.4245

Square

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



16.3464, 0.1827, 0.1778



16.3464, 0.4626, 0.2847



16.3464, 0.4338, 0.4945



16.3464, 0.1758, 0.3555

Rectangle

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



16.3464, 0.1827, 0.1778



16.3464, 0.3207, 0.2123



16.3464, 0.4338, 0.4945



16.3464, 0.2771, 0.5041

Sweetspot

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



16.3490, 0.1827, 0.1778



68.6970, 0.2651, 0.2914



43.4346, 0.2788, 0.5236



13.9145, 0.2583, 0.2852



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.



16.3490, 0.1827, 0.1778



26.9186, 0.1822, 0.1758



4.6154, 0.1511, 0.0638



11.8715, 0.2983, 0.3186



10.5843, 0.1834, 0.1800



0.6956, 0.1922, 0.2119

Inverse Universe

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



13.9170, 0.4712, 0.2369



23.2486, 0.4736, 0.2383



49.3139, 0.4315, 0.4955



11.3174, 0.3204, 0.3161



8.8715, 0.4685, 0.2355



0.4728, 0.4320, 0.2154

Previews

White Background



This preview shows how the Yxy color 16.3464, 0.1827, 0.1778 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 16.3464, 0.1827, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

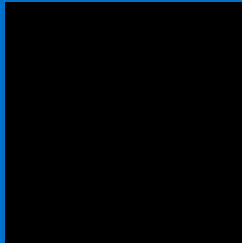
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3464, 0.1827, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 16.3464, 0.1827, 0.1778.

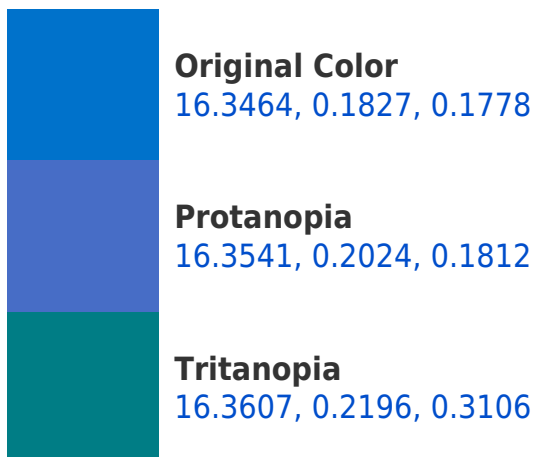


This preview shows how white text looks on a background with the Yxy color 16.3464, 0.1827, 0.1778.

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



Trichromacy



Original Color

16.3464, 0.1827, 0.1778

Protanomaly

16.0969, 0.1907, 0.1786

Tritanomaly

16.1434, 0.2035, 0.2525

Monochromacy



Original Color

16.3464, 0.1827, 0.1778

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4322, 0.2286, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3464, 0.1827, 0.1778 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(0, 114, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 203)  
}
```

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(0, 114, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 203) }
```

Border

The CSS property to change the border of an element to Yxy 16.3464, 0.1827, 0.1778 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(0, 114, 203) }
```

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

```
.border{ border-color:rgb(0, 114, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
203) }
```

Background

The CSS property to change the background color of an element to Yxy 16.3464, 0.1827, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 203) }
```

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

```
.background{ background-color: rgb(0, 114,  
203) }
```

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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