

Converting Colors

$Y_{xy}(14.3209, 0.1779, 0.1605)$

Have a look what the booklet for
Yxy(14.3209, 0.1779, 0.1605)
contains.

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Color

Yxy(14.2603, 0.1778, 0.1600)

Conversions

Conversions Part 1

Format	Color
Hex	0068CC
RGB	0, 104, 204
RGB Percent	0%, 41%, 80%
CMY	0.9994, 0.5921, 0.2001
CMYK	1.00, 0.49, 0.00, 0.20
HSL	209°, 100%, 40%
HSV	209°, 100%, 80%
XYZ	15.8468, 14.2603, 59.0198
YIQ	84.3040, -94.0840, 9.0520

Conversions

Conversions Part 2

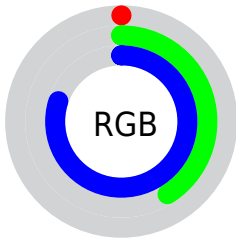
Format	Color
RYB	0, 69, 204
Decimal	26828
CIELab	44.60, 13.97, -58.58
CIELCh	45, 60.224, 283.412
Yxy	14.2603, 0.1778, 0.1600
Android (android.graphics.Color)	4278216908 (0xFF0068CC)
YUV	84.3040, 59.0101, -73.9346
Hunter-Lab	37.7628, 8.8207, -66.2309

Details

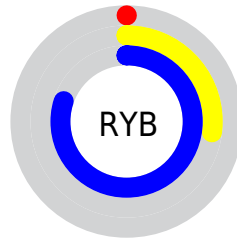
The Yxy color **14.2603, 0.1778, 0.1600** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **21.9685, 0.5443, 0.4059**, and the grayscale version is **8.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9839, 0.2082, 0.1977**, and **5.1960, 0.1684, 0.1261** is the 20% darker color. If you saturate the color by 10%, you get **14.2441, 0.1778, 0.1599**, and if you desaturate by 10%, it is **16.5492, 0.1848, 0.1777**.

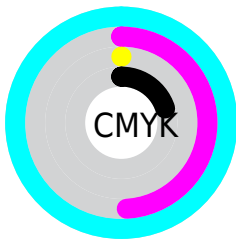
Distribution



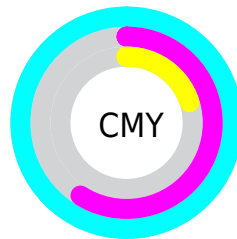
- Red (0%)
- Green (41%)
- Blue (80%)



- Red (0%)
- Yellow (27%)
- Blue (80%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2603, 0.1778, 0.1600 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 14.2603, 0.1778, 0.1600 by changing the saturation by 10% instead.

■ 14.2603, 0.1778,
0.1600

■ 14.2603, 0.1778,
0.1600

■ 218.8442, 0.2522,
0.2489

■ 8.3019, 0.1584,
0.1383

■ 33.5502, 0.2058,
0.1924

■ 4.2887, 0.1338,
0.1118

■ 47.6505, 0.2161,
0.2046

■ 1.8364, 0.1027,
0.0799

■ 65.2336, 0.2247,
0.2150

■ 0.5097, 0.0651,
0.0402

■ 86.6838, 0.2320,
0.2238

■ 0.0000, 0.0000,
0.0000

■ 112.3856, 0.2381,
0.2314

142.7233, 0.2435,

0.2380

178.0814, 0.2481,
0.2438

■ 14.2603, 0.1778,
0.1600

■ 14.2603, 0.1778,
0.1600

■ 14.2441, 0.1778,
0.1599

■ 16.5492, 0.1848,
0.1777

■ 19.2467, 0.1939,
0.1962

■ 22.4156, 0.2053,
0.2154

■ 26.0925, 0.2186,
0.2345

■ 30.3094, 0.2334,
0.2531

■ 35.0948, 0.2491,
0.2709

■ 40.4748, 0.2653,
0.2875

■ 46.4736, 0.2816,
0.3028

■ 53.1137, 0.2975,
0.3167

Harmonies

Analogous

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



14.2603, 0.1325, 0.1710



14.2603, 0.1778, 0.1600



14.2603, 0.2645, 0.1790

Triad

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



14.2603, 0.1778, 0.1600



14.2603, 0.5495, 0.3633



14.2603, 0.2156, 0.4798

Complementary

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



14.2603, 0.1778, 0.1600



21.9685, 0.5443, 0.4059

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.



14.2603, 0.3182, 0.5617



14.2603, 0.1778, 0.1600



14.2603, 0.5118, 0.4448

Square

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



14.2603, 0.1778, 0.1600



14.2603, 0.5052, 0.2897



14.2603, 0.4246, 0.5268



14.2603, 0.1464, 0.3300

Rectangle

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



14.2603, 0.1778, 0.1600



14.2603, 0.3449, 0.2068



14.2603, 0.4246, 0.5268



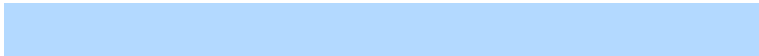
14.2603, 0.2476, 0.5207

Sweetspot

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



14.2607, 0.1778, 0.1600



66.6180, 0.2646, 0.2868



44.0631, 0.2743, 0.5073



13.4221, 0.2576, 0.2798



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.



14.2607, 0.1778, 0.1600



23.1680, 0.1772, 0.1577



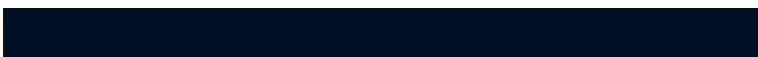
4.4360, 0.1503, 0.0610



11.7732, 0.2983, 0.3173



9.1559, 0.1784, 0.1623



0.6241, 0.1881, 0.1973

Inverse Universe

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



13.8350, 0.4931, 0.2490



22.8700, 0.4960, 0.2506



54.4033, 0.4222, 0.5029



11.3075, 0.3212, 0.3172



8.7273, 0.4902, 0.2474



0.4655, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 14.2603, 0.1778, 0.1600 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 14.2603, 0.1778, 0.1600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

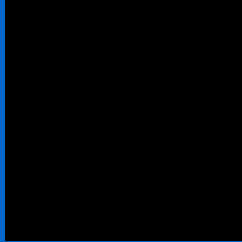
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2603, 0.1778, 0.1600

Background



This preview shows how black text looks on a background with the Yxy color 14.2603, 0.1778, 0.1600.



This preview shows how white text looks on a background with the Yxy color 14.2603, 0.1778, 0.1600.

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

14.2603, 0.1778, 0.1600

Protanopia

14.3954, 0.1873, 0.1621

Deuteranopia

14.1462, 0.1837, 0.1813



Tritanopia

14.2032, 0.2193, 0.3096

Trichromacy



Original Color

14.2603, 0.1778, 0.1600

Protanomaly

14.3036, 0.1822, 0.1609

Deuteranomaly

14.2031, 0.1814, 0.1730

Tritanomaly

13.9214, 0.1998, 0.2392

Monochromacy



Original Color

14.2603, 0.1778, 0.1600

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8250, 0.2244, 0.2407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2603, 0.1778, 0.1600 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, 104, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 204)  
}
```

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, 104, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 204) }
```

Border

The CSS property to change the border of an element to Yxy 14.2603, 0.1778, 0.1600 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, 104, 204) }
```

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

```
.border{ border-color:rgb(0, 104, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2603, 0.1778, 0.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 204) }
```

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

```
.background{ background-color: rgb(0, 104,  
204) }
```

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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