

Converting Colors

$Yxy(13.9852, 0.1758, 0.1527)$

Have a look what the booklet for
Yxy(13.9852, 0.1758, 0.1527)
contains.

Yxy(14.0568, 0.1759, 0.1532)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.0568, 0.1759, 0.1532)

Conversions

Conversions Part 1

Format	Color
Hex	0066D0
RGB	0, 102, 208
RGB Percent	0%, 40%, 82%
CMY	0.9999, 0.6000, 0.1842
CMYK	1.00, 0.51, 0.00, 0.18
HSL	211°, 100%, 41%
HSV	211°, 100%, 82%
XYZ	16.1396, 14.0568, 61.5581
YIQ	83.5860, -94.8180, 11.3420

Conversions

Conversions Part 2

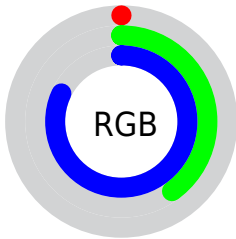
Format	Color
R _{YB}	0, 68, 208
Decimal	26320
CIE Lab	44.31, 16.90, -61.39
CIE LCh	44, 63.670, 285.395
Yxy	14.0568, 0.1759, 0.1532
Android (android.graphics.Color)	4278216400 (0xFF0066D0)
YUV	83.5860, 61.3361, -73.3049
Hunter-Lab	37.4924, 11.2285, -71.1026

Details

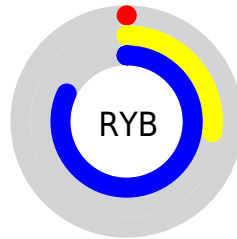
The Yxy color **14.0568, 0.1759, 0.1532** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **23.7386, 0.5389, 0.4103**, and the grayscale version is **8.6650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3858, 0.2081, 0.1951**, and **5.2262, 0.1669, 0.1210** is the 20% darker color. If you saturate the color by 10%, you get **14.0534, 0.1759, 0.1532**, and if you desaturate by 10%, it is **16.4342, 0.1830, 0.1713**.

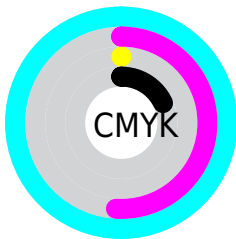
Distribution



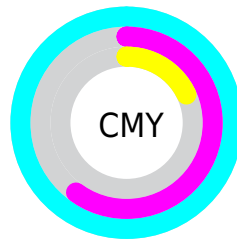
- Red (0%)
- Green (40%)
- Blue (82%)



- Red (0%)
- Yellow (27%)
- Blue (82%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.0568, 0.1759, 0.1532 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 14.0568, 0.1759, 0.1532 by changing the saturation by 10% instead.

■ 14.0568, 0.1759,
0.1532

■ 14.0568, 0.1759,
0.1532

■ 217.5839, 0.2512,
0.2447

■ 8.1602, 0.1564,
0.1314

■ 33.1898, 0.2042,
0.1862

■ 4.1976, 0.1318,
0.1050

■ 47.1949, 0.2146,
0.1988

■ 1.7847, 0.1009,
0.0737

■ 64.6717, 0.2233,
0.2094

■ 0.4776, 0.0640,
0.0353

■ 86.0045, 0.2307,
0.2186

■ 0.0000, 0.0000,
0.0000

■ 111.5777, 0.2370,
0.2264

141.7758, 0.2424,

0.2333

176.9830, 0.2471,
0.2393

■ 14.0568, 0.1759,
0.1532

■ 14.0568, 0.1759,
0.1532

■ 14.0534, 0.1759,
0.1532

■ 16.4342, 0.1830,
0.1713

■ 19.2570, 0.1923,
0.1905

■ 22.5920, 0.2039,
0.2104

■ 26.4788, 0.2176,
0.2303

■ 30.9518, 0.2326,
0.2497

■ 36.0421, 0.2486,
0.2683

■ 41.7778, 0.2650,
0.2857

■ 48.1853, 0.2813,
0.3016

■ 55.2891, 0.2973,
0.3161

Harmonies

Analogous

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



14.0568, 0.1270, 0.1618



14.0568, 0.1759, 0.1532



14.0568, 0.2690, 0.1747

Triad

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



14.0568, 0.1759, 0.1532



14.0568, 0.5614, 0.3669



14.0568, 0.2029, 0.4806

Complementary

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



14.0568, 0.1759, 0.1532



23.7386, 0.5389, 0.4103

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.



14.0568, 0.3080, 0.5758



14.0568, 0.1759, 0.1532



14.0568, 0.5145, 0.4522

Square

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



14.0568, 0.1759, 0.1532



14.0568, 0.5227, 0.2911



14.0568, 0.4195, 0.5400



14.0568, 0.1352, 0.3190

Rectangle

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



14.0568, 0.1759, 0.1532



14.0568, 0.3553, 0.2045



14.0568, 0.4195, 0.5400



14.0568, 0.2354, 0.5272

Sweetspot

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



14.0572, 0.1759, 0.1532



65.8554, 0.2644, 0.2850



46.1283, 0.2728, 0.5020



13.2420, 0.2574, 0.2778



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.



14.0572, 0.1759, 0.1532



21.8863, 0.1753, 0.1512



4.5567, 0.1500, 0.0600



12.3608, 0.2982, 0.3168



8.9483, 0.1766, 0.1557



0.6590, 0.1860, 0.1894

Inverse Universe

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



14.3746, 0.5018, 0.2538



22.7406, 0.5044, 0.2552



58.5427, 0.4193, 0.5053



11.9035, 0.3215, 0.3177



8.9746, 0.4986, 0.2520



0.5178, 0.4574, 0.2293

Previews

White Background



This preview shows how the Yxy color 14.0568, 0.1759, 0.1532 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 14.0568, 0.1759, 0.1532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

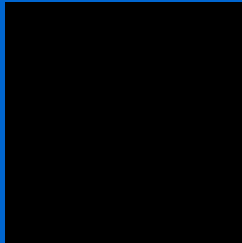
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.0568, 0.1759, 0.1532

Background



This preview shows how black text looks on a background with the Yxy color 14.0568, 0.1759, 0.1532.



This preview shows how white text looks on a background with the Yxy color 14.0568, 0.1759, 0.1532.

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

14.0568, 0.1759, 0.1532

Protanopia

14.1874, 0.1815, 0.1547

Deuteranopia

14.0182, 0.1846, 0.1847



Tritanopia

13.9460, 0.2193, 0.3094

Trichromacy



Original Color

14.0568, 0.1759, 0.1532

Protanomaly

13.9945, 0.1785, 0.1536

Deuteranomaly

13.9534, 0.1812, 0.1723

Tritanomaly

13.7354, 0.1987, 0.2353

Monochromacy



Original Color

14.0568, 0.1759, 0.1532

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8240, 0.2227, 0.2386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0568, 0.1759, 0.1532 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, 102, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 208)  
}
```

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, 102, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 208) }
```

Border

The CSS property to change the border of an element to Yxy 14.0568, 0.1759, 0.1532 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, 102, 208) }
```

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

```
.border{ border-color:rgb(0, 102, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 102, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 102, 208); box-shadow:4px 4px 4px 4px rgb(0, 102, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0568, 0.1759, 0.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 208) }
```

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

```
.background{ background-color: rgb(0, 102,  
208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor