

Converting Colors

$Y_{xy}(8.9663, 0.0814, 0.1322)$

Have a look what the booklet for
Yxy(8.9663, 0.0814, 0.1322)
contains.

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Color

Yxy(13.6406, 0.1796, 0.1667)

Conversions

Conversions Part 1

Format	Color
Hex	0067C3
RGB	0, 103, 195
RGB Percent	0%, 40%, 76%
CMY	1.0000, 0.5960, 0.2353
CMYK	1.00, 0.47, 0.00, 0.24
HSL	208°, 100%, 38%
HSV	208°, 100%, 76%
XYZ	14.6962, 13.6406, 53.4905
YIQ	82.6910, -90.9200, 6.7760

Conversions

Conversions Part 2

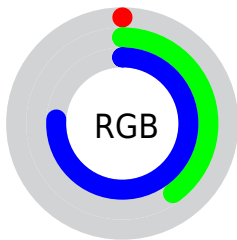
Format	Color
RYB	0, 67, 195
Decimal	26563
CIELab	43.71, 10.98, -54.86
CIELCh	44, 55.945, 281.319
Yxy	13.6406, 0.1796, 0.1667
Android (android.graphics.Color)	4278216643 (0xFF0067C3)
YUV	82.6910, 55.3683, -72.5200
Hunter-Lab	36.9332, 6.3943, -60.0167

Details

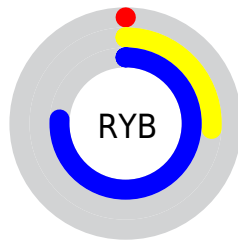
The Yxy color **13.6406, 0.1796, 0.1667** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **19.2550, 0.5496, 0.4018**, and the grayscale version is **8.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2975, 0.2077, 0.1986**, and **4.8197, 0.1701, 0.1323** is the 20% darker color. If you saturate the color by 10%, you get **13.6440, 0.1797, 0.1667**, and if you desaturate by 10%, it is **15.7197, 0.1865, 0.1839**.

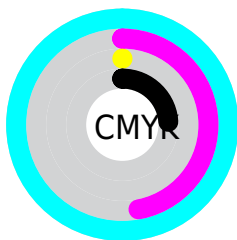
Distribution



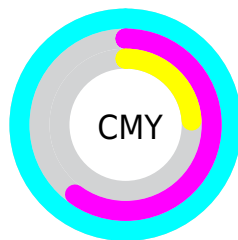
- Red (0%)
- Green (40%)
- Blue (76%)



- Red (0%)
- Yellow (26%)
- Blue (76%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (60%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6406, 0.1796, 0.1667 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 13.6406, 0.1796, 0.1667 by changing the saturation by 10% instead.

■ 13.6406, 0.1796,
0.1667

■ 13.6406, 0.1796,
0.1667

■ 214.9834, 0.2537,
0.2538

■ 7.8711, 0.1599,
0.1448

■ 32.4500, 0.2078,
0.1989

■ 4.0126, 0.1346,
0.1175

■ 46.2586, 0.2181,
0.2109

■ 1.6806, 0.1024,
0.0841

■ 63.5158, 0.2266,
0.2210

■ 0.4111, 0.0621,
0.0387

■ 84.6059, 0.2338,
0.2296

■ 0.0000, 0.0000,
0.0000

■ 109.9133, 0.2399,
0.2369

■ 139.8224, 0.2451,

0.2433

174.7177, 0.2497,
0.2489

■ 13.6406, 0.1796,
0.1667

■ 13.6406, 0.1796,
0.1667

■ 13.6440, 0.1797,
0.1667

■ 15.7197, 0.1865,
0.1839

■ 18.1472, 0.1954,
0.2018

■ 20.9837, 0.2066,
0.2201

■ 24.2612, 0.2196,
0.2385

■ 28.0075, 0.2341,
0.2563

■ 32.2476, 0.2496,
0.2733

■ 37.0040, 0.2655,
0.2892

■ 42.2978, 0.2816,
0.3038

■ 48.1487, 0.2974,
0.3171

Harmonies

Analogous

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



13.6406, 0.1379, 0.1802



13.6406, 0.1796, 0.1667



13.6406, 0.2602, 0.1831

Triad

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



13.6406, 0.1796, 0.1667



13.6406, 0.5376, 0.3593



13.6406, 0.2278, 0.4786

Complementary

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



13.6406, 0.1796, 0.1667



19.2550, 0.5496, 0.4018

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.



13.6406, 0.3276, 0.5486



13.6406, 0.1796, 0.1667



13.6406, 0.5085, 0.4372

Square

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



13.6406, 0.1796, 0.1667



13.6406, 0.4886, 0.2879



13.6406, 0.4288, 0.5142



13.6406, 0.1576, 0.3403

Rectangle

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



13.6406, 0.1796, 0.1667



13.6406, 0.3352, 0.2089



13.6406, 0.4288, 0.5142



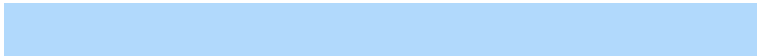
13.6406, 0.2592, 0.5145

Sweetspot

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



13.6440, 0.1797, 0.1667



65.8540, 0.2648, 0.2885



39.7876, 0.2757, 0.5125



13.5981, 0.2579, 0.2817



0.0000, 0.0000, 0.0000



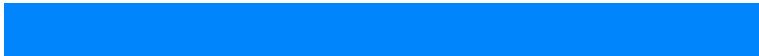
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6440, 0.1797, 0.1667



23.9314, 0.1790, 0.1642



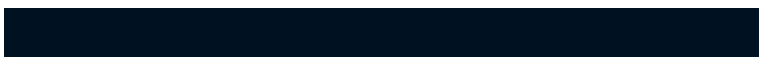
4.0814, 0.1506, 0.0619



10.6090, 0.2984, 0.3179



9.0370, 0.1803, 0.1690



0.5276, 0.1911, 0.2078

Inverse Universe

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



12.5823, 0.4847, 0.2444



22.4831, 0.4878, 0.2461



47.7851, 0.4253, 0.5005



10.1648, 0.3208, 0.3169



8.1945, 0.4819, 0.2428



0.3679, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 13.6406, 0.1796, 0.1667 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 13.6406, 0.1796, 0.1667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

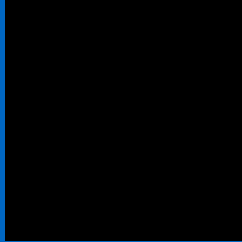
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6406, 0.1796, 0.1667

Background



This preview shows how black text looks on a background with the Yxy color 13.6406, 0.1796, 0.1667.



This preview shows how white text looks on a background with the Yxy color 13.6406, 0.1796, 0.1667.

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

13.6406, 0.1796, 0.1667

Protanopia

13.7323, 0.1930, 0.1694

Deuteranopia

13.5638, 0.1839, 0.1820



Tritanopia

13.6666, 0.2199, 0.3117

Trichromacy



Original Color

13.6406, 0.1796, 0.1667

Protanomaly

13.5149, 0.1854, 0.1673

Deuteranomaly

13.5315, 0.1822, 0.1757

Tritanomaly

13.5388, 0.2016, 0.2457

Monochromacy



Original Color

13.6406, 0.1796, 0.1667

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.5244, 0.2262, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6406, 0.1796, 0.1667 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, 103, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 195)  
}
```

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, 103, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 195) }
```

Border

The CSS property to change the border of an element to Yxy 13.6406, 0.1796, 0.1667 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, 103, 195) }
```

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

```
.border{ border-color:rgb(0, 103, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6406, 0.1796, 0.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 195) }
```

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

```
.background{ background-color: rgb(0, 103,  
195) }
```

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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