

Converting Colors

$Yxy(15.4307, 0.1389, 0.2144)$

Have a look what the booklet for
Yxy(15.4307, 0.1389, 0.2144)
contains.

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Color

$\text{Yxy}(18.5561, 0.1965, 0.2275)$

Conversions

Conversions Part 1

Format	Color
Hex	007FB6
RGB	0, 127, 182
RGB Percent	0%, 50%, 71%
CMY	1.0000, 0.5019, 0.2864
CMYK	1.00, 0.30, 0.00, 0.29
HSL	198°, 100%, 36%
HSV	198°, 100%, 71%
XYZ	16.0276, 18.5561, 46.9816
YIQ	95.2970, -93.3470, -9.8190

Conversions

Conversions Part 2

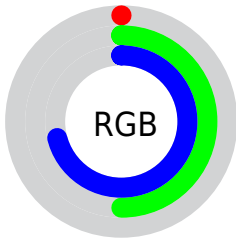
Format	Color
RYB	0, 75, 182
Decimal	32694
CIELab	50.16, -8.95, -37.06
CIELCh	50, 38.121, 256.417
Yxy	18.5561, 0.1965, 0.2275
Android (android.graphics.Color)	4278222774 (0xFF007FB6)
YUV	95.2970, 42.7446, -83.5755
Hunter-Lab	43.0768, -8.9699, -34.5107

Details

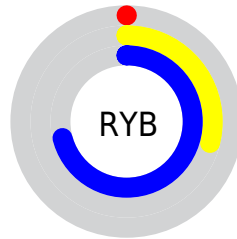
The Yxy color **18.5561, 0.1965, 0.2275** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.6718, 0.5955, 0.3654**, and the grayscale version is **11.4325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1427, 0.2207, 0.2504**, and **7.0338, 0.1884, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **18.5589, 0.1965, 0.2275**, and if you desaturate by 10%, it is **20.1484, 0.2016, 0.2387**.

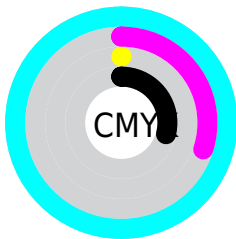
Distribution



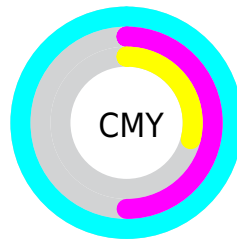
- Red (0%)
- Green (50%)
- Blue (71%)



- Red (0%)
- Yellow (29%)
- Blue (71%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5561, 0.1965, 0.2275 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 18.5561, 0.1965, 0.2275 by changing the saturation by 10% instead.


 18.5561, 0.1965,
0.2275


 18.5561, 0.1965,
0.2275


 243.9871, 0.2597,
0.2844


 11.3500, 0.1796,
0.2116


 40.9827, 0.2205,
0.2496


 6.3027, 0.1575,
0.1903


 56.9719, 0.2292,
0.2574


 3.0300, 0.1282,
0.1611

 76.6576, 0.2364,
0.2639

 1.1474, 0.0891,
0.1202

 100.4241, 0.2425,
0.2694

 0.0181, 0.0000,
0.0048

 128.6560, 0.2478,
0.2740

 0.0000, 0.0000,
0.0000

 161.7375, 0.2523,

0.2780

200.0531, 0.2562,
0.2814

■ 18.5561, 0.1965,
0.2275

■ 18.5561, 0.1965,
0.2275

■ 18.5589, 0.1965,
0.2275

■ 20.1484, 0.2016,
0.2387

■ 21.9378, 0.2083,
0.2501

■ 23.9739, 0.2170,
0.2615

■ 26.2799, 0.2275,
0.2727

■ 28.8758, 0.2396,
0.2836

■ 31.7791, 0.2530,
0.2941

■ 35.0057, 0.2674,
0.3039

■ 38.5703, 0.2823,
0.3130

■ 42.4864, 0.2975,
0.3214

Harmonies

Analogous

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



18.5561, 0.1873, 0.2633



18.5561, 0.1965, 0.2275



18.5561, 0.2325, 0.2188

Triad

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



18.5561, 0.1965, 0.2275



18.5561, 0.4301, 0.3151



18.5561, 0.3188, 0.4553

Complementary

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



18.5561, 0.1965, 0.2275



12.6718, 0.5955, 0.3654

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.



18.5561, 0.3870, 0.4570



18.5561, 0.1965, 0.2275



18.5561, 0.4565, 0.3687

Square

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



18.5561, 0.1965, 0.2275



18.5561, 0.3669, 0.2676



18.5561, 0.4385, 0.4205



18.5561, 0.2526, 0.4035

Rectangle

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



18.5561, 0.1965, 0.2275



18.5561, 0.2704, 0.2263



18.5561, 0.4385, 0.4205



18.5561, 0.3422, 0.4614

Sweetspot

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



18.5589, 0.1965, 0.2275



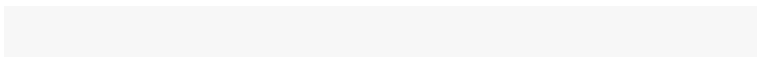
63.1690, 0.2666, 0.3034



33.7196, 0.2887, 0.5594



13.3954, 0.2605, 0.2994



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



18.5589, 0.1965, 0.2275



33.2216, 0.1960, 0.2257



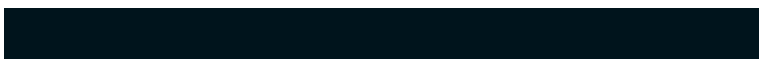
4.6624, 0.1555, 0.0798



9.7403, 0.2985, 0.3219



13.2302, 0.1969, 0.2288



0.5696, 0.2049, 0.2577

Inverse Universe

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



11.4753, 0.4152, 0.2061



20.7660, 0.4172, 0.2072



30.3723, 0.4597, 0.4732



9.1153, 0.3182, 0.3132



8.1179, 0.4139, 0.2054



0.2966, 0.3846, 0.1893

Previews

White Background



This preview shows how the Yxy color 18.5561, 0.1965, 0.2275 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5561, 0.1965, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

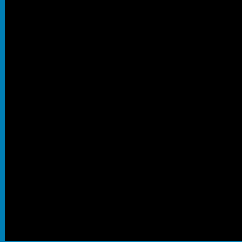
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5561, 0.1965, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 18.5561, 0.1965, 0.2275.

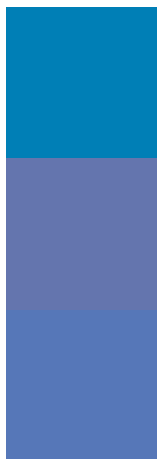


This preview shows how white text looks on a background with the Yxy color 18.5561, 0.1965, 0.2275.

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

18.5561, 0.1965, 0.2275

Protanopia

18.4879, 0.2397, 0.2301

Deuteranopia

18.6328, 0.2228, 0.2175



Tritanopia

18.4555, 0.2187, 0.3073

Trichromacy



Original Color

18.5561, 0.1965, 0.2275

Protanomaly

17.9391, 0.2138, 0.2271

Deuteranomaly

18.1502, 0.2067, 0.2196

Tritanomaly

18.3996, 0.2094, 0.2739

Monochromacy



Original Color

18.5561, 0.1965, 0.2275

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.0084, 0.2382, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5561, 0.1965, 0.2275 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, 127, 182)` looks like.

```
.text, #text, p{  
  color:rgb(0, 127, 182)  
}
```

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, 127, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 182) }
```

Border

The CSS property to change the border of an element to Yxy 18.5561, 0.1965, 0.2275 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, 127, 182) }
```

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

```
.border{ border-color:rgb(0, 127, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5561, 0.1965, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 182) }
```

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

```
.background{ background-color: rgb(0, 127,  
182) }
```

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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