

Converting Colors

$Y_{xy}(12.9170, 0.1805, 0.1882)$

Have a look what the booklet for
Yxy(12.9170, 0.1805, 0.1882)
contains.

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Color

Yxy(13.2775, 0.1862, 0.1904)

Conversions

Conversions Part 1

Format	Color
Hex	0069B1
RGB	0, 105, 177
RGB Percent	0%, 41%, 69%
CMY	1.0000, 0.5882, 0.3059
CMYK	1.00, 0.41, 0.00, 0.31
HSL	204°, 100%, 35%
HSV	204°, 100%, 69%
XYZ	12.9846, 13.2775, 43.4727
YIQ	81.8130, -85.6920, 0.1320

Conversions

Conversions Part 2

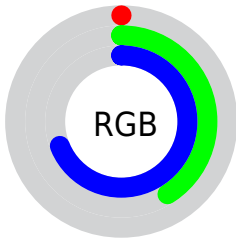
Format	Color
RYB	0, 66, 177
Decimal	27057
CIELab	43.18, 2.43, -45.24
CIELCh	43, 45.304, 273.080
Yxy	13.2775, 0.1862, 0.1904
Android (android.graphics.Color)	4278217137 (0xFF0069B1)
YUV	81.8130, 46.9272, -71.7500
Hunter-Lab	36.4383, -0.1594, -45.2290

Details

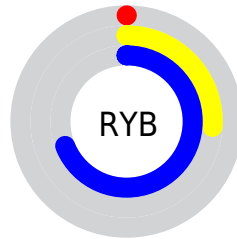
The Yxy color **13.2775, 0.1862, 0.1904** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.9803, 0.5672, 0.3878**, and the grayscale version is **8.3171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8843, 0.2140, 0.2208**, and **4.5832, 0.1766, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **13.2795, 0.1862, 0.1904**, and if you desaturate by 10%, it is **14.9346, 0.1926, 0.2055**.

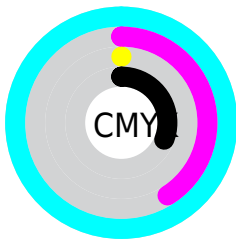
Distribution



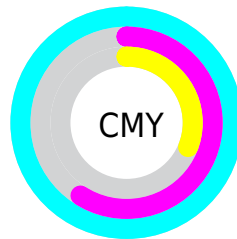
- Red (0%)
- Green (41%)
- Blue (69%)



- Red (0%)
- Yellow (26%)
- Blue (69%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (59%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2775, 0.1862, 0.1904 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 13.2775, 0.1862, 0.1904 by changing the saturation by 10% instead.


 13.2775, 0.1862,
0.1904


 13.2775, 0.1862,
0.1904


 212.6886, 0.2576,
0.2680


 7.6199, 0.1664,
0.1692


 31.8014, 0.2138,
0.2202


 3.8527, 0.1405,
0.1416

 45.4366, 0.2238,
0.2310

 1.5915, 0.1064,
0.1056

 62.4997, 0.2319,
0.2399

 0.3519, 0.0541,
0.0483

 83.3751, 0.2388,
0.2473

 0.0000, 0.0000,
0.0000

 108.4474, 0.2446,
0.2537

 138.1007, 0.2495,

0.2591

172.7197, 0.2538,
0.2638

■ 13.2775, 0.1862,
0.1904

■ 13.2775, 0.1862,
0.1904

■ 13.2795, 0.1862,
0.1904

■ 14.9346, 0.1926,
0.2055

■ 16.8296, 0.2007,
0.2210

■ 19.0113, 0.2110,
0.2367

■ 21.5029, 0.2230,
0.2522

■ 24.3246, 0.2366,
0.2673

■ 27.4944, 0.2512,
0.2816

■ 31.0288, 0.2665,
0.2951

■ 34.9427, 0.2820,
0.3075

■ 39.2505, 0.2975,
0.3188

Harmonies

Analogous

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



13.2775, 0.1572, 0.2127



13.2775, 0.1862, 0.1904



13.2775, 0.2476, 0.1974

Triad

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



13.2775, 0.1862, 0.1904



13.2775, 0.4944, 0.3431



13.2775, 0.2670, 0.4713

Complementary

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



13.2775, 0.1862, 0.1904



13.9803, 0.5672, 0.3878

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.



13.2775, 0.3554, 0.5077



13.2775, 0.1862, 0.1904



13.2775, 0.4915, 0.4101

Square

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



13.2775, 0.1862, 0.1904



13.2775, 0.4352, 0.2806



13.2775, 0.4374, 0.4736



13.2775, 0.1961, 0.3707

Rectangle

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



13.2775, 0.1862, 0.1904



13.2775, 0.3058, 0.2160



13.2775, 0.4374, 0.4736



13.2775, 0.2958, 0.4927

Sweetspot

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



13.2795, 0.1862, 0.1904



55.2315, 0.2657, 0.2944



31.8963, 0.2811, 0.5321



11.3915, 0.2594, 0.2890



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.2795, 0.1862, 0.1904



23.3380, 0.1856, 0.1880



3.5972, 0.1520, 0.0671



9.0402, 0.2986, 0.3195



9.7432, 0.1867, 0.1920



0.4177, 0.1985, 0.2345

Inverse Universe

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



10.3671, 0.4563, 0.2287



18.5225, 0.4591, 0.2303



34.2463, 0.4380, 0.4905



8.5870, 0.3198, 0.3156



7.5237, 0.4544, 0.2277



0.2479, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 13.2775, 0.1862, 0.1904 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 13.2775, 0.1862, 0.1904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

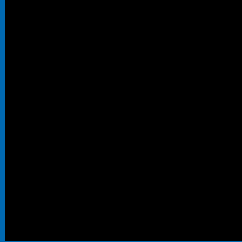
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2775, 0.1862, 0.1904

Background



This preview shows how black text looks on a background with the Yxy color 13.2775, 0.1862, 0.1904.



This preview shows how white text looks on a background with the Yxy color 13.2775, 0.1862, 0.1904.

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

13.2775, 0.1862, 0.1904

Protanopia

13.2418, 0.2116, 0.1931

Deuteranopia

13.3259, 0.1940, 0.1892



Tritanopia

13.1907, 0.2192, 0.3090

Trichromacy



Original Color

13.2775, 0.1862, 0.1904

Protanomaly

12.9212, 0.1963, 0.1897

Deuteranomaly

13.2816, 0.1897, 0.1897

Tritanomaly

13.0749, 0.2051, 0.2582

Monochromacy



Original Color

13.2775, 0.1862, 0.1904

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.3267, 0.2314, 0.2605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2775, 0.1862, 0.1904 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, 105, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 177)  
}
```

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, 105, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 177) }
```

Border

The CSS property to change the border of an element to Yxy 13.2775, 0.1862, 0.1904 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, 105, 177) }
```

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

```
.border{ border-color:rgb(0, 105, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2775, 0.1862, 0.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 177) }
```

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

```
.background{ background-color: rgb(0, 105,  
177) }
```

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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