

Converting Colors

$Y_{xy}(13.0037, 0.1902, 0.1182)$

Have a look what the booklet for
Yxy(13.0037, 0.1902, 0.1182)
contains.

Yxy(13.0059, 0.1903, 0.1180)	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(13.0059, 0.1903, 0.1180)

Conversions

Conversions Part 1

Format	Color
Hex	594CE6
RGB	89, 76, 230
RGB Percent	35%, 30%, 90%
CMY	0.6514, 0.7017, 0.0982
CMYK	0.61, 0.67, 0.00, 0.10
HSL	245°, 75%, 60%
HSV	245°, 67%, 90%
XYZ	20.9748, 13.0059, 76.2388
YIQ	97.4430, -41.6860, 50.6500

Conversions

Conversions Part 2

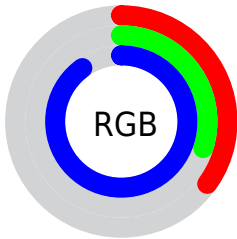
Format	Color
R _Y B	89, 76, 230
Decimal	5852390
CIE Lab	42.77, 48.82, -76.27
CIE LCh	43, 90.554, 302.626
Yxy	13.0059, 0.1903, 0.1180
Android (android.graphics.Color)	4284042470 (0xFF594CE6)
YUV	97.4430, 65.3506, -7.4045
Hunter-Lab	36.0637, 40.7048, -100.0948

Details

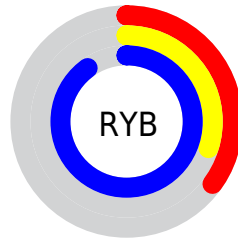
The Yxy color **13.0059, 0.1903, 0.1180** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **71.8649, 0.3942, 0.4864**, and the grayscale version is **11.9118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8171, 0.2325, 0.1742**, and **3.8959, 0.1543, 0.0753** is the 20% darker color. If you saturate the color by 10%, you get **9.4850, 0.1738, 0.0920**, and if you desaturate by 10%, it is **17.9577, 0.2096, 0.1495**.

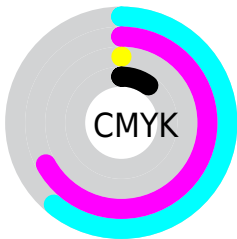
Distribution



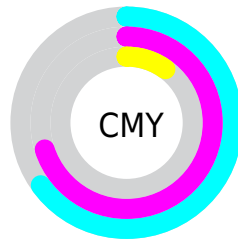
- Red (35%)
- Green (30%)
- Blue (90%)



- Red (35%)
- Yellow (30%)
- Blue (90%)



- Cyan (61%)
- Magenta (67%)
- Yellow (0%)
- Black (10%)





- Cyan (65%)
- Magenta (70%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0059, 0.1903, 0.1180 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 13.0059, 0.1903, 0.1180 by changing the saturation by 10% instead.


 13.0059, 0.1903,
0.1180


 13.0059, 0.1903,
0.1180


210.9555, 0.2596,
0.2192


 7.4326, 0.1722,
0.0968


 31.3144, 0.2165,
0.1522


 3.7341, 0.1493,
0.0728


 44.8184, 0.2262,
0.1660

 1.5260, 0.1204,
0.0468

 61.7347, 0.2342,
0.1779

 0.3069, 0.0855,
0.0158

 82.4478, 0.2409,
0.1883

 0.0000, 0.0399,
0.0000

 107.3420, 0.2467,
0.1975

 0.0000, 0.0000,
0.0000

136.8018, 0.2516,

0.2056

171.2115, 0.2559,
0.2128

■ 13.0059, 0.1903,
0.1180

■ 13.0059, 0.1903,
0.1180

■ 9.4850, 0.1738,
0.0920

■ 17.9577, 0.2096,
0.1495

■ 7.2409, 0.1614,
0.0735

■ 24.4712, 0.2301,
0.1840

■ 6.0796, 0.1537,
0.0633

■ 32.6630, 0.2505,
0.2189

■ 5.8513, 0.1522,
0.0612

■ 42.6388, 0.2698,
0.2525

■ 54.4953, 0.2874,
0.2836

■ 68.3223, 0.3031,
0.3115

■ 84.2039, 0.3167,
0.3363

■ 98.4910, 0.3274,
0.3533

Harmonies

Analogous

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



13.0059, 0.1064, 0.1066



13.0059, 0.1903, 0.1180



13.0059, 0.3488, 0.1605

Triad

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



13.0059, 0.1903, 0.1180



13.0059, 0.6001, 0.3999



13.0059, 0.1018, 0.4031

Complementary

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



13.0059, 0.1903, 0.1180



71.8649, 0.3942, 0.4864

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.



13.0059, 0.1982, 0.6558



13.0059, 0.1903, 0.1180



13.0059, 0.4749, 0.5251

Square

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



13.0059, 0.1903, 0.1180



13.0059, 0.6451, 0.3082



13.0059, 0.3334, 0.6666



13.0059, 0.0667, 0.2055

Rectangle

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



13.0059, 0.1903, 0.1180



13.0059, 0.4850, 0.2053



13.0059, 0.3334, 0.6666



13.0059, 0.1271, 0.4972

Sweetspot

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



13.0062, 0.1903, 0.1180



63.8526, 0.2820, 0.2740



56.9454, 0.2305, 0.3118



12.7545, 0.2771, 0.2652



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.



13.0062, 0.1903, 0.1180



10.8173, 0.1689, 0.0845



18.9766, 0.2537, 0.1479



13.9443, 0.2993, 0.3048



3.3351, 0.1528, 0.0615



0.2665, 0.1600, 0.0655

Inverse Universe

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



27.0092, 0.3335, 0.1886



29.7996, 0.3379, 0.1740



62.6859, 0.3372, 0.5226



14.5934, 0.3151, 0.3077



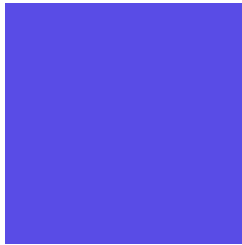
12.1905, 0.3430, 0.1663



0.9070, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 13.0059, 0.1903, 0.1180 looks on a white background.

Color Contrast Check

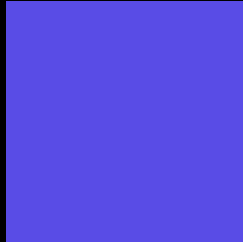
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0059, 0.1903, 0.1180 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 13.0059, 0.1903, 0.1180

Background



This preview shows how black text looks on a background with the Yxy color 13.0059, 0.1903, 0.1180.



This preview shows how white text looks on a background with the Yxy color 13.0059, 0.1903, 0.1180.

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

13.0059, 0.1903, 0.1180

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.8351, 0.1855, 0.1876



Tritanopia

13.0163, 0.2272, 0.3068

Trichromacy



Original Color

13.0059, 0.1903, 0.1180

Protanomaly

12.3069, 0.1739, 0.1313

Deuteranomaly

12.1213, 0.1800, 0.1508

Tritanomaly

12.0035, 0.2053, 0.2032

Monochromacy



Original Color

13.0059, 0.1903, 0.1180

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5688, 0.2500, 0.2175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0059, 0.1903, 0.1180 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(89, 76, 230)` looks like.

```
.text, #text, p{  
    color:rgb(89, 76, 230)  
}
```

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(89, 76, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 76, 230) }
```

Border

The CSS property to change the border of an element to Yxy 13.0059, 0.1903, 0.1180 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(89, 76, 230) }
```

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

```
.border{ border-color:rgb(89, 76, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 76, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 76, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 76, 230);  
box-shadow:4px 4px 4px 4px rgb(89, 76,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0059, 0.1903, 0.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 76, 230) }
```

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

```
.background{ background-color: rgb(89, 76,  
230) }
```

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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