

Converting Colors

$Y_{xy}(13.3336, 0.1907, 0.1799)$

Have a look what the booklet for
Yxy(13.3336, 0.1907, 0.1799)
contains.

Yxy(13.3530, 0.1907, 0.1802)	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(13.3530, 0.1907, 0.1802)

Conversions

Conversions Part 1

Format	Color
Hex	2766B7
RGB	39, 102, 183
RGB Percent	15%, 40%, 72%
CMY	0.8473, 0.5999, 0.2825
CMYK	0.79, 0.44, 0.00, 0.28
HSL	214°, 65%, 44%
HSV	214°, 79%, 72%
XYZ	14.1311, 13.3530, 46.6169
YIQ	92.3970, -63.5490, 11.8350

Conversions

Conversions Part 2

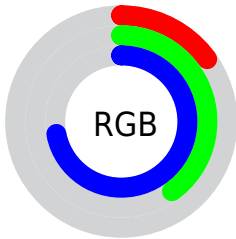
Format	Color
R _Y B	39, 83, 183
Decimal	2582199
CIE Lab	43.29, 9.32, -48.51
CIE LCh	43, 49.401, 280.872
Yxy	13.3530, 0.1907, 0.1802
Android (android.graphics.Color)	4280772279 (0xFF2766B7)
YUV	92.3970, 44.6673, -46.8292
Hunter-Lab	36.5418, 5.0796, -50.0580

Details

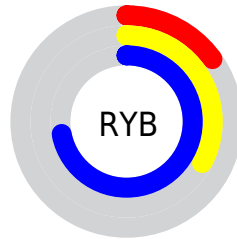
The Yxy color **13.3530, 0.1907, 0.1802** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.6194, 0.4810, 0.4272**, and the grayscale version is **10.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8119, 0.2171, 0.2099**, and **4.4133, 0.1727, 0.1418** is the 20% darker color. If you saturate the color by 10%, you get **11.1807, 0.1804, 0.1595**, and if you desaturate by 10%, it is **15.9490, 0.2034, 0.2018**.

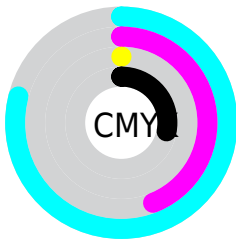
Distribution



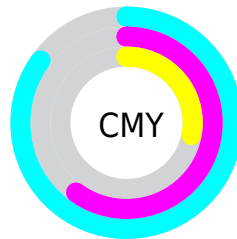
- Red (15%)
- Green (40%)
- Blue (72%)



- Red (15%)
- Yellow (33%)
- Blue (72%)



- Cyan (79%)
- Magenta (44%)
- Yellow (0%)
- Black (28%)



- Cyan (85%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3530, 0.1907, 0.1802 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 13.3530, 0.1907, 0.1802 by changing the saturation by 10% instead.

■ 13.3530, 0.1907,
0.1802

■ 13.3530, 0.1907,
0.1802

■ 213.1678, 0.2598,
0.2618

■ 7.6721, 0.1716,
0.1587

■ 31.9365, 0.2174,
0.2110

■ 3.8858, 0.1465,
0.1312

■ 45.6079, 0.2270,
0.2223

■ 1.6099, 0.1133,
0.0963

■ 62.7116, 0.2349,
0.2317

■ 0.3643, 0.0685,
0.0435

■ 83.6319, 0.2416,
0.2396

■ 0.0000, 0.0000,
0.0000

■ 108.7533, 0.2472,
0.2464

138.4601, 0.2520,

0.2522

173.1368, 0.2561,
0.2573

■ 13.3530, 0.1907,
0.1802

■ 13.3530, 0.1907,
0.1802

■ 11.1807, 0.1804,
0.1595

■ 15.9490, 0.2034,
0.2018

■ 9.3839, 0.1726,
0.1402

■ 18.9982, 0.2179,
0.2235

■ 9.1732, 0.1716,
0.1378

■ 22.5277, 0.2337,
0.2448

■ 26.5621, 0.2503,
0.2650

■ 31.1238, 0.2670,
0.2838

■ 36.2335, 0.2835,
0.3011

■ 41.9110, 0.2995,
0.3167

■ 48.1748, 0.3146,
0.3307

■ 55.0425, 0.3289,
0.3431

Harmonies

Analogous

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



13.3530, 0.1518, 0.1943



13.3530, 0.1907, 0.1802



13.3530, 0.2648, 0.1949

Triad

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



13.3530, 0.1907, 0.1802



13.3530, 0.5149, 0.3598



13.3530, 0.2394, 0.4612

Complementary

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



13.3530, 0.1907, 0.1802



23.6194, 0.4810, 0.4272

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.



13.3530, 0.3314, 0.5231



13.3530, 0.1907, 0.1802



13.3530, 0.4931, 0.4315

Square

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



13.3530, 0.1907, 0.1802



13.3530, 0.4683, 0.2925



13.3530, 0.4234, 0.4980



13.3530, 0.1731, 0.3425

Rectangle

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



13.3530, 0.1907, 0.1802



13.3530, 0.3321, 0.2188



13.3530, 0.4234, 0.4980



13.3530, 0.2685, 0.4919

Sweetspot

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



13.3534, 0.1907, 0.1802



59.5926, 0.2742, 0.2915



35.5976, 0.2644, 0.4473



12.4627, 0.2683, 0.2852



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.



13.3534, 0.1907, 0.1802



17.7728, 0.1749, 0.1462



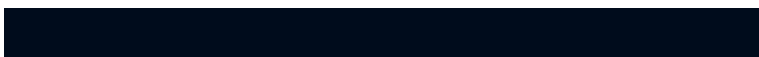
5.4493, 0.1701, 0.0891



9.3492, 0.2985, 0.3158



6.5333, 0.1722, 0.1400



0.3539, 0.1865, 0.1912

Inverse Universe

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



12.4708, 0.4631, 0.2550



19.5170, 0.5100, 0.2616



43.2051, 0.4051, 0.4980



9.0758, 0.3221, 0.3190



7.4419, 0.5191, 0.2633



0.2748, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 13.3530, 0.1907, 0.1802 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 13.3530, 0.1907, 0.1802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

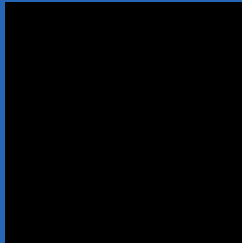
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3530, 0.1907, 0.1802

Background



This preview shows how black text looks on a background with the Yxy color 13.3530, 0.1907, 0.1802.



This preview shows how white text looks on a background with the Yxy color 13.3530, 0.1907, 0.1802.

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

13.3530, 0.1907, 0.1802

Protanopia

13.3090, 0.2027, 0.1821

Deuteranopia

13.2578, 0.1858, 0.1802



Tritanopia

13.1907, 0.2192, 0.3090

Trichromacy



Original Color

13.3530, 0.1907, 0.1802

Protanomaly

13.2628, 0.1976, 0.1811

Deuteranomaly

13.3390, 0.1873, 0.1807

Tritanomaly

13.0443, 0.2052, 0.2505

Monochromacy



Original Color

13.3530, 0.1907, 0.1802

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.2629, 0.2478, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3530, 0.1907, 0.1802 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(39, 102, 183)` looks like.

```
.text, #text, p{  
    color:rgb(39, 102, 183)  
}
```

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(39, 102, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 102, 183) }
```

Border

The CSS property to change the border of an element to Yxy 13.3530, 0.1907, 0.1802 is called "border". The border property can be set on classes, ids or directly on the HTML element.

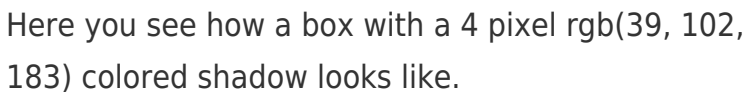
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 102, 183) }
```

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

```
.border{ border-color:rgb(39, 102, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(39, 102, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(39, 102, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(39, 102, 183); box-shadow:4px 4px 4px 4px rgb(39, 102, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3530, 0.1907, 0.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 102, 183) }
```

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

```
.background{ background-color: rgb(39, 102,  
183) }
```

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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