

Converting Colors

$Y_{xy}(10.7493, 0.2157, 0.1979)$

Have a look what the booklet for
Yxy(10.7493, 0.2157, 0.1979)
contains.

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Color

Yxy(10.8387, 0.2159, 0.1982)

Conversions

Conversions Part 1

Format	Color
Hex	435A9A
RGB	67, 90, 154
RGB Percent	26%, 35%, 60%
CMY	0.7370, 0.6471, 0.3961
CMYK	0.56, 0.42, 0.00, 0.40
HSL	224°, 39%, 43%
HSV	224°, 56%, 60%
XYZ	11.8066, 10.8387, 32.0403
YIQ	90.4190, -34.2520, 15.0280

Conversions

Conversions Part 2

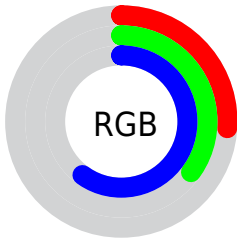
Format	Color
R_{YB}	67, 85, 154
Decimal	4414106
CIE _{Lab}	39.31, 11.08, -37.67
CIE _{LCh}	39, 39.267, 286.396
Yxy	10.8387, 0.2159, 0.1982
Android (android.graphics.Color)	4282604186 (0xFF435A9A)
YUV	90.4190, 31.3454, -20.5385
Hunter-Lab	32.9222, 6.4003, -34.6563

Details

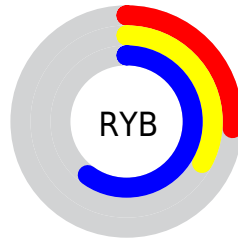
The Yxy color **10.8387, 0.2159, 0.1982** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.5289, 0.4109, 0.4303**, and the grayscale version is **10.2603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4246, 0.2392, 0.2280**, and **2.8361, 0.1746, 0.1484** is the 20% darker color. If you saturate the color by 10%, you get **8.5958, 0.1989, 0.1709**, and if you desaturate by 10%, it is **13.5190, 0.2340, 0.2253**.

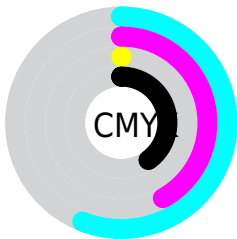
Distribution



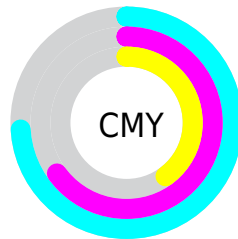
- Red (26%)
- Green (35%)
- Blue (60%)



- Red (26%)
- Yellow (33%)
- Blue (60%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (40%)



- Cyan (74%)
- Magenta (65%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8387, 0.2159, 0.1982 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 10.8387, 0.2159, 0.1982 by changing the saturation by 10% instead.

■ 10.8387, 0.2159,
0.1982

■ 10.8387, 0.2159,
0.1982

■ 196.5576, 0.2738,
0.2733

■ 5.9585, 0.1979,
0.1764

■ 27.3615, 0.2395,
0.2278

■ 2.8198, 0.1728,
0.1472

■ 39.7729, 0.2476,
0.2383

■ 1.0384, 0.1364,
0.1074

■ 55.4634, 0.2541,
0.2468

■ 0.0000, 0.0524,
0.0000

■ 74.8175, 0.2594,
0.2539

■ 0.0000, 0.0000,
0.0000

■ 98.2196, 0.2639,
0.2599

126.0541, 0.2677,

0.2650

158.7052, 0.2710,
0.2694

■ 10.8387, 0.2159,
0.1982

■ 10.8387, 0.2159,
0.1982

■ 8.5958, 0.1989,
0.1709

■ 13.5190, 0.2340,
0.2253

■ 6.7642, 0.1837,
0.1446

■ 16.6583, 0.2523,
0.2513

■ 5.3165, 0.1714,
0.1206

■ 20.2783, 0.2702,
0.2755

■ 4.2171, 0.1622,
0.1002

■ 24.3985, 0.2872,
0.2976

■ 3.8917, 0.1594,
0.0938

■ 29.0377, 0.3031,
0.3174

■ 34.2135, 0.3178,
0.3350

■ 39.9426, 0.3311,
0.3505

■ 46.2412, 0.3432,
0.3640

■ 53.1244, 0.3541,
0.3758

Harmonies

Analogous

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



10.8387, 0.1747, 0.2069



10.8387, 0.2159, 0.1982



10.8387, 0.2874, 0.2156

Triad

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



10.8387, 0.2159, 0.1982



10.8387, 0.4881, 0.3719



10.8387, 0.2381, 0.4228

Complementary

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



10.8387, 0.2159, 0.1982



23.5289, 0.4109, 0.4303

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.



10.8387, 0.3169, 0.4880



10.8387, 0.2159, 0.1982



10.8387, 0.4631, 0.4347

Square

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



10.8387, 0.2159, 0.1982



10.8387, 0.4573, 0.3098



10.8387, 0.3990, 0.4843



10.8387, 0.1841, 0.3245

Rectangle

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



10.8387, 0.2159, 0.1982



10.8387, 0.3475, 0.2398



10.8387, 0.3990, 0.4843



10.8387, 0.2625, 0.4513

Sweetspot

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



10.8391, 0.2159, 0.1982



43.6182, 0.2857, 0.2957



25.9398, 0.2589, 0.3740



9.5482, 0.2827, 0.2918



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



10.8391, 0.2159, 0.1982



14.5706, 0.1942, 0.1631



8.3985, 0.2280, 0.1622



6.2781, 0.2988, 0.3121



3.2227, 0.1598, 0.0951



0.1014, 0.1807, 0.1704

Inverse Universe

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



11.6301, 0.4315, 0.2921



17.1308, 0.4769, 0.2877



28.5613, 0.3691, 0.4715



6.2481, 0.3244, 0.3232



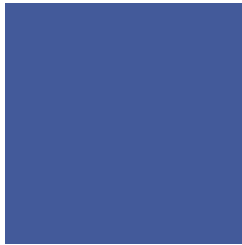
5.7306, 0.5833, 0.2987



0.0910, 0.4802, 0.2419

Previews

White Background



This preview shows how the Yxy color 10.8387, 0.2159, 0.1982 looks on a white background.

Color Contrast Check

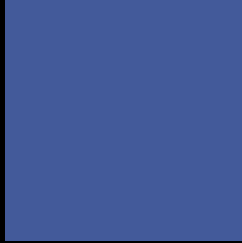
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8387, 0.2159, 0.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

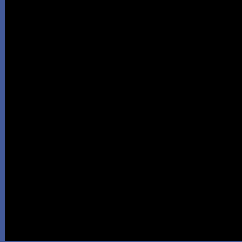
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8387, 0.2159, 0.1982

Background



This preview shows how black text looks on a background with the Yxy color 10.8387, 0.2159, 0.1982.



This preview shows how white text looks on a background with the Yxy color 10.8387, 0.2159, 0.1982.

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

10.8387, 0.2159, 0.1982

Protanopia

10.8037, 0.2150, 0.1979

Deuteranopia

10.8587, 0.2068, 0.2026



Tritanopia

10.8500, 0.2423, 0.3081

Trichromacy



Original Color

10.8387, 0.2159, 0.1982

Protanomaly

10.8037, 0.2150, 0.1979

Deuteranomaly

10.8241, 0.2097, 0.2015

Tritanomaly

10.6872, 0.2311, 0.2596

Monochromacy



Original Color

10.8387, 0.2159, 0.1982

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2984, 0.2698, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8387, 0.2159, 0.1982 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(67, 90, 154)` looks like.

```
.text, #text, p{  
  color:rgb(67, 90, 154)  
}
```

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(67, 90, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 90, 154) }
```

Border

The CSS property to change the border of an element to Yxy 10.8387, 0.2159, 0.1982 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(67, 90, 154) }
```

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

```
.border{ border-color:rgb(67, 90, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 90, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 90, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 90, 154);  
box-shadow:4px 4px 4px 4px rgb(67, 90,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8387, 0.2159, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 90, 154) }
```

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

```
.background{ background-color: rgb(67, 90,  
154) }
```

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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