

Converting Colors

$Y_{xy}(11.5624, 0.2209, 0.2069)$

Have a look what the booklet for
Yxy(11.5624, 0.2209, 0.2069)
contains.

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Color

Yxy(11.5014, 0.2205, 0.2054)

Conversions

Conversions Part 1

Format	Color
Hex	475D9A
RGB	71, 93, 154
RGB Percent	28%, 36%, 60%
CMY	0.7215, 0.6353, 0.3960
CMYK	0.54, 0.40, 0.00, 0.40
HSL	224°, 37%, 44%
HSV	224°, 54%, 60%
XYZ	12.3469, 11.5014, 32.1468
YIQ	93.3760, -32.6930, 14.3070

Conversions

Conversions Part 2

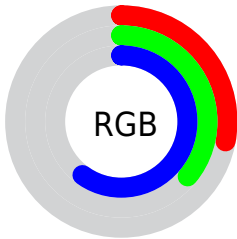
Format	Color
RYB	71, 88, 154
Decimal	4677018
CIELab	40.41, 10.07, -35.91
CIELCh	40, 37.297, 285.664
Yxy	11.5014, 0.2205, 0.2054
Android (android.graphics.Color)	4282867098 (0xFF475D9A)
YUV	93.3760, 29.8876, -19.6238
Hunter-Lab	33.9137, 5.6373, -32.4614

Details

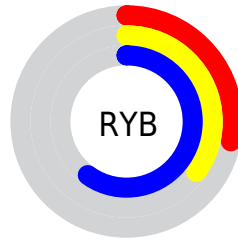
The Yxy color **11.5014, 0.2205, 0.2054** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.8366, 0.4063, 0.4262**, and the grayscale version is **10.9740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6083, 0.2428, 0.2332**, and **3.1184, 0.1803, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **9.1489, 0.2031, 0.1781**, and if you desaturate by 10%, it is **14.2966, 0.2387, 0.2323**.

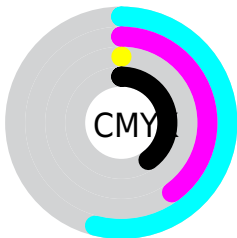
Distribution



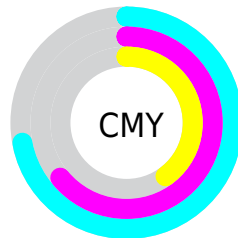
- Red (28%)
- Green (36%)
- Blue (60%)



- Red (28%)
- Yellow (35%)
- Blue (60%)



- Cyan (54%)
- Magenta (40%)
- Yellow (0%)
- Black (40%)



- Cyan (72%)
- Magenta (64%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5014, 0.2205, 0.2054 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 11.5014, 0.2205, 0.2054 by changing the saturation by 10% instead.

■ 11.5014, 0.2205,
0.2054

■ 11.5014, 0.2205,
0.2054

■ 201.0759, 0.2754,
0.2763

■ 6.4051, 0.2035,
0.1848

■ 28.5837, 0.2428,
0.2334

■ 3.0930, 0.1797,
0.1569

■ 41.3385, 0.2505,
0.2433

■ 1.1805, 0.1449,
0.1183

■ 57.4150, 0.2566,
0.2513

■ 0.0457, 0.0734,
0.0116

■ 77.1975, 0.2617,
0.2580

■ 0.0000, 0.0000,
0.0000

■ 101.0705, 0.2660,
0.2636

129.4182, 0.2696,

0.2685

162.6252, 0.2727,
0.2726

■ 11.5014, 0.2205,
0.2054

■ 11.5014, 0.2205,
0.2054

■ 9.1489, 0.2031,
0.1781

■ 14.2966, 0.2387,
0.2323

■ 7.2135, 0.1874,
0.1514

■ 17.5557, 0.2569,
0.2578

■ 5.6690, 0.1743,
0.1267

■ 21.2996, 0.2746,
0.2815

■ 4.4845, 0.1644,
0.1054

■ 25.5478, 0.2914,
0.3029

■ 3.9053, 0.1595,
0.0941

■ 30.3185, 0.3070,
0.3221

■ 35.6292, 0.3213,
0.3391

■ 41.4964, 0.3343,
0.3541

■ 47.9359, 0.3461,
0.3671

■ 54.9628, 0.3567,
0.3785

Harmonies

Analogous

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



11.5014, 0.1818, 0.2148



11.5014, 0.2205, 0.2054



11.5014, 0.2874, 0.2213

Triad

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



11.5014, 0.2205, 0.2054



11.5014, 0.4767, 0.3695



11.5014, 0.2450, 0.4178

Complementary

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



11.5014, 0.2205, 0.2054



23.8366, 0.4063, 0.4262

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.



11.5014, 0.3197, 0.4767



11.5014, 0.2205, 0.2054



11.5014, 0.4556, 0.4286

Square

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



11.5014, 0.2205, 0.2054



11.5014, 0.4460, 0.3104



11.5014, 0.3967, 0.4738



11.5014, 0.1928, 0.3277

Rectangle

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



11.5014, 0.2205, 0.2054



11.5014, 0.3434, 0.2440



11.5014, 0.3967, 0.4738



11.5014, 0.2683, 0.4435

Sweetspot

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



11.5018, 0.2205, 0.2054



44.4410, 0.2874, 0.2979



26.1184, 0.2605, 0.3716



9.7201, 0.2843, 0.2939



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.



11.5018, 0.2205, 0.2054



15.7015, 0.1991, 0.1715



9.0342, 0.2326, 0.1703



6.2793, 0.2988, 0.3122



3.2333, 0.1598, 0.0954



0.1017, 0.1808, 0.1708

Inverse Universe

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



12.1696, 0.4230, 0.2932



17.9479, 0.4654, 0.2881



28.6924, 0.3672, 0.4655



6.2482, 0.3244, 0.3231



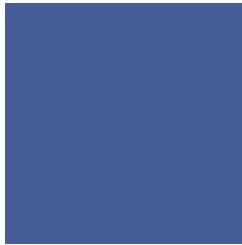
5.7317, 0.5829, 0.2985



0.0911, 0.4797, 0.2416

Previews

White Background



This preview shows how the Yxy color 11.5014, 0.2205, 0.2054 looks on a white background.

Color Contrast Check

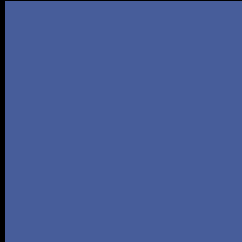
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5014, 0.2205, 0.2054 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 11.5014, 0.2205, 0.2054

Background



This preview shows how black text looks on a background with the Yxy color 11.5014, 0.2205, 0.2054.



This preview shows how white text looks on a background with the Yxy color 11.5014, 0.2205, 0.2054.

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

11.5014, 0.2205, 0.2054

Protanopia

11.5014, 0.2205, 0.2054

Deuteranopia

11.4450, 0.2133, 0.2085



Tritanopia

11.4693, 0.2476, 0.3088

Trichromacy



Original Color

11.5014, 0.2205, 0.2054

Protanomaly

11.5014, 0.2205, 0.2054

Deuteranomaly

11.3953, 0.2159, 0.2073

Tritanomaly

11.4221, 0.2362, 0.2657

Monochromacy



Original Color

11.5014, 0.2205, 0.2054

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.9978, 0.2721, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5014, 0.2205, 0.2054 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(71, 93, 154)` looks like.

```
.text, #text, p{  
    color:rgb(71, 93, 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(71, 93, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 93, 154) }
```

Border

The CSS property to change the border of an element to Yxy 11.5014, 0.2205, 0.2054 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(71, 93, 154) }
```

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

```
.border{ border-color:rgb(71, 93, 154) }
```

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

Here you see how a box with a 4 pixel rgb(71, 93, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 93, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 93, 154);  
box-shadow:4px 4px 4px 4px rgb(71, 93,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5014, 0.2205, 0.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 93, 154) }
```

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

```
.background{ background-color: rgb(71, 93,  
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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