

Converting Colors

$Y_{xy}(23.0526, 0.2009, 0.1593)$

Have a look what the booklet for
Yxy(23.0526, 0.2009, 0.1593)
contains.

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Color

Yxy(22.9818, 0.2011, 0.1590)

Conversions

Conversions Part 1

Format	Color
Hex	6478F9
RGB	100, 120, 249
RGB Percent	39%, 47%, 98%
CMY	0.6077, 0.5294, 0.0237
CMYK	0.60, 0.52, 0.00, 0.02
HSL	232°, 92%, 68%
HSV	232°, 60%, 98%
XYZ	29.0669, 22.9818, 92.4909
YIQ	128.7260, -53.3290, 35.8790

Conversions

Conversions Part 2

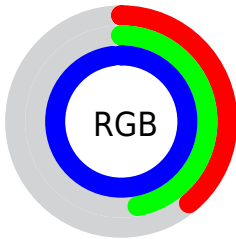
Format	Color
R _Y B	100, 118, 249
Decimal	6584569
CIE _{Lab}	55.05, 30.60, -66.91
CIE _{LCh}	55, 73.572, 294.577
Y _{xy}	22.9818, 0.2011, 0.1590
Android (android.graphics.Color)	4284774649 (0xFF6478F9)
YUV	128.7260, 59.2951, -25.1927
Hunter-Lab	47.9393, 24.3355, -80.8326

Details

The Yxy color **22.9818, 0.2011, 0.1590** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.0773, 0.4087, 0.4541**, and the grayscale version is **21.6582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4064, 0.2475, 0.2304**, and **8.5421, 0.1683, 0.1195** is the 20% darker color. If you saturate the color by 10%, you get **17.1582, 0.1833, 0.1288**, and if you desaturate by 10%, it is **30.4072, 0.2208, 0.1911**.

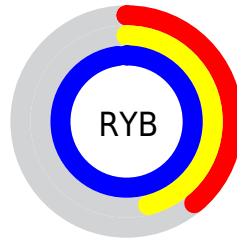
Distribution



Red (39%)

Green (47%)

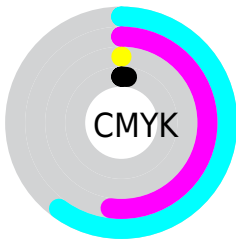
Blue (98%)



Red (39%)

Yellow (46%)

Blue (98%)

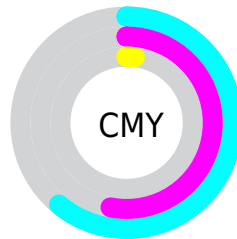


Cyan (60%)

Magenta (52%)

Yellow (0%)

Black (2%)



Cyan (61%)


Magenta (53%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9818, 0.2011, 0.1590 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 22.9818, 0.2011, 0.1590 by changing the saturation by 10% instead.


 22.9818, 0.2011,
0.1590


 22.9818, 0.2011,
0.1590


267.6315, 0.2599,
0.2402

 14.5801, 0.1866,
0.1411


 48.3634, 0.2226,
0.1869

 8.5252, 0.1684,
0.1199


 66.1121, 0.2307,
0.1980

 4.4328, 0.1454,
0.0948


 87.7453, 0.2375,
0.2075

 1.9185, 0.1163,
0.0660

113.6473, 0.2433,
0.2157

 0.5595, 0.0805,
0.0331

144.2025, 0.2483,
0.2230

 0.0000, 0.0255,
0.0000

179.7953, 0.2527,

 0.0000, 0.0000,

0.2294

0.0000

220.8102, 0.2565,
0.2351

■ 22.9818, 0.2011,
0.1590

■ 22.9818, 0.2011,
0.1590

■ 17.1582, 0.1833,
0.1288

■ 30.4072, 0.2208,
0.1911

■ 12.8143, 0.1688,
0.1027

■ 39.5401, 0.2412,
0.2231

■ 9.8128, 0.1584,
0.0823


■ 50.4794, 0.2612,
0.2536


■ 7.9716, 0.1525,
0.0688

■ 63.3157, 0.2800,
0.2817

■ 7.9471, 0.1524,
0.0686

■ 78.1335, 0.2974,
0.3070

 95.0123, 0.3130,
0.3294

 99.6169, 0.3162,
0.3348

Harmonies

Analogous

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



22.9818, 0.1402, 0.1580



22.9818, 0.2011, 0.1590



22.9818, 0.3070, 0.1889

Triad

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



22.9818, 0.2011, 0.1590



22.9818, 0.5510, 0.3921



22.9818, 0.1795, 0.4287

Complementary

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



22.9818, 0.2011, 0.1590



77.0773, 0.4087, 0.4541

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.



22.9818, 0.2753, 0.5568



22.9818, 0.2011, 0.1590



22.9818, 0.4870, 0.4790

Square

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



22.9818, 0.2011, 0.1590



22.9818, 0.5408, 0.3146



22.9818, 0.3861, 0.5571



22.9818, 0.1268, 0.2794

Rectangle

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



22.9818, 0.2011, 0.1590



22.9818, 0.3969, 0.2235



22.9818, 0.3861, 0.5571



22.9818, 0.2076, 0.4814

Sweetspot

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



22.9825, 0.2011, 0.1590



69.5225, 0.2833, 0.2865



75.9606, 0.2483, 0.3564



13.9665, 0.2780, 0.2787



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.



22.9825, 0.2011, 0.1590



16.9466, 0.1797, 0.1225



22.6462, 0.2318, 0.1516



17.0184, 0.2979, 0.3078



4.3700, 0.1529, 0.0703



0.5173, 0.1575, 0.0870

Inverse Universe

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



30.6074, 0.4757, 0.3098



26.6627, 0.5299, 0.3096



80.4930, 0.3604, 0.4904



17.2631, 0.3273, 0.3258



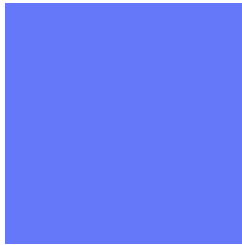
10.8521, 0.6228, 0.3205



1.0165, 0.5959, 0.3056

Previews

White Background



This preview shows how the Yxy color 22.9818, 0.2011, 0.1590 looks on a white background.

Color Contrast Check

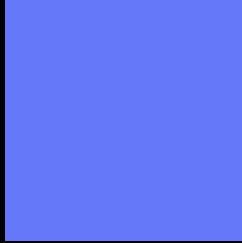
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.9818, 0.2011, 0.1590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

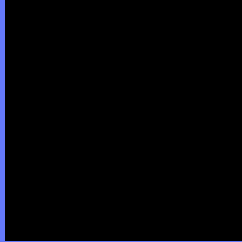
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9818, 0.2011, 0.1590

Background



This preview shows how black text looks on a background with the Yxy color 22.9818, 0.2011, 0.1590.



This preview shows how white text looks on a background with the Yxy color 22.9818, 0.2011, 0.1590.

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

22.9818, 0.2011, 0.1590

Protanopia

23.1830, 0.1835, 0.1566

Deuteranopia

23.0484, 0.1832, 0.1795



Tritanopia

22.8813, 0.2329, 0.3058

Trichromacy



Original Color

22.9818, 0.2011, 0.1590

Protanomaly

22.8467, 0.1883, 0.1562

Deuteranomaly

22.3669, 0.1839, 0.1693

Tritanomaly

22.4185, 0.2182, 0.2375

Monochromacy



Original Color

22.9818, 0.2011, 0.1590

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7904, 0.2589, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9818, 0.2011, 0.1590 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(100, 120, 249)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 249)  
}
```

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(100, 120, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 249) }
```

Border

The CSS property to change the border of an element to Yxy 22.9818, 0.2011, 0.1590 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(100, 120, 249) }
```

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

```
.border{ border-color:rgb(100, 120, 249) }
```

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

Here you see how a box with a 4 pixel rgb(100, 120, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 249);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9818, 0.2011, 0.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 249) }
```

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

```
.background{ background-color: rgb(100,  
120, 249) }
```

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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