

Converting Colors

$Y_{xy}(26.6690, 0.2141, 0.1816)$

Have a look what the booklet for
Yxy(26.6690, 0.2141, 0.1816)
contains.

Yxy(26.5449, 0.2136, 0.1806)	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(26.5449, 0.2136, 0.1806)

Conversions

Conversions Part 1

Format	Color
Hex	7184F4
RGB	113, 132, 244
RGB Percent	44%, 52%, 96%
CMY	0.5565, 0.4824, 0.0432
CMYK	0.54, 0.46, 0.00, 0.04
HSL	231°, 86%, 70%
HSV	231°, 54%, 96%
XYZ	31.3953, 26.5449, 89.0415
YIQ	139.0870, -47.2760, 30.8040

Conversions

Conversions Part 2

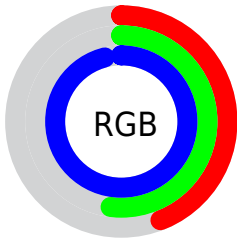
Format	Color
R _Y B	113, 130, 244
Decimal	7439604
CIE Lab	58.55, 24.29, -58.49
CIE LCh	59, 63.336, 292.553
Yxy	26.5449, 0.2136, 0.1806
Android (android.graphics.Color)	4285629684 (0xFF7184F4)
YUV	139.0870, 51.7221, -22.8783
Hunter-Lab	51.5217, 18.6077, -66.4017

Details

The Yxy color **26.5449, 0.2136, 0.1806** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.3151, 0.4002, 0.4424**, and the grayscale version is **25.6707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6886, 0.2560, 0.2476**, and **10.4027, 0.1845, 0.1445** is the 20% darker color. If you saturate the color by 10%, you get **20.0323, 0.1946, 0.1493**, and if you desaturate by 10%, it is **34.6268, 0.2337, 0.2125**.

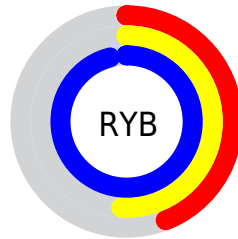
Distribution



Red (44%)

Green (52%)

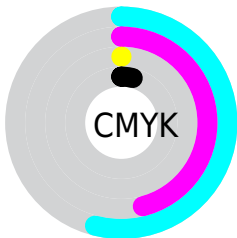
Blue (96%)



Red (44%)

Yellow (51%)

Blue (96%)

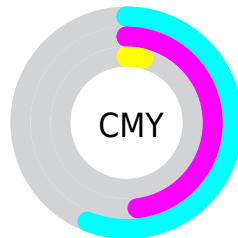


Cyan (54%)

Magenta (46%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (48%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5449, 0.2136, 0.1806 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 26.5449, 0.2136, 0.1806 by changing the saturation by 10% instead.

■ 26.5449, 0.2136,
0.1806

■ 26.5449, 0.2136,
0.1806

■ 285.4468, 0.2654,
0.2524

■ 17.2317, 0.2007,
0.1643

■ 54.1527, 0.2325,
0.2057

■ 10.3998, 0.1844,
0.1445

■ 73.2161, 0.2397,
0.2154

■ 5.6649, 0.1635,
0.1203

■ 96.2984, 0.2457,
0.2238

■ 2.6424, 0.1363,
0.0911

■ 123.7840, 0.2508,
0.2310

■ 0.9480, 0.1011,
0.0572

■ 156.0572, 0.2552,
0.2374

■ 0.0000, 0.0525,
0.0000

■ 193.5025, 0.2590,

■ 0.0000, 0.0000,

0.2430

0.0000

236.5042, 0.2624,
0.2480

■ 26.5449, 0.2136,
0.1806

■ 26.5449, 0.2136,
0.1806

■ 20.0323, 0.1946,
0.1493

■ 34.6268, 0.2337,
0.2125

■ 14.9828, 0.1779,
0.1204

■ 44.3693, 0.2538,
0.2433

■ 11.2806, 0.1649,
0.0961

■ 55.8601, 0.2731,
0.2720

■ 8.7905, 0.1562,
0.0780

■ 69.1794, 0.2910,
0.2981

■ 7.7467, 0.1528,
0.0699

■ 84.4028, 0.3072,
0.3213

99.3105, 0.3191,
0.3396

Harmonies

Analogous

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



26.5449, 0.1607, 0.1828



26.5449, 0.2136, 0.1806



26.5449, 0.3025, 0.2058

Triad

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



26.5449, 0.2136, 0.1806



26.5449, 0.5173, 0.3875



26.5449, 0.2073, 0.4187

Complementary

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



26.5449, 0.2136, 0.1806



74.3151, 0.4002, 0.4424

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.



26.5449, 0.2934, 0.5143



26.5449, 0.2136, 0.1806



26.5449, 0.4723, 0.4607

Square

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



26.5449, 0.2136, 0.1806



26.5449, 0.4982, 0.3174



26.5449, 0.3896, 0.5189



26.5449, 0.1553, 0.2985

Rectangle

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



26.5449, 0.2136, 0.1806



26.5449, 0.3759, 0.2358



26.5449, 0.3896, 0.5189



26.5449, 0.2331, 0.4581

Sweetspot

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



26.5458, 0.2136, 0.1806



72.7814, 0.2868, 0.2921



73.6069, 0.2526, 0.3531



14.9135, 0.2832, 0.2869



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.



26.5458, 0.2136, 0.1806



21.8313, 0.1937, 0.1477



25.7193, 0.2421, 0.1705



16.3128, 0.2979, 0.3081



4.3302, 0.1532, 0.0716



0.4960, 0.1584, 0.0901

Inverse Universe

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



32.7238, 0.4480, 0.3095



30.1260, 0.4920, 0.3077



77.9127, 0.3573, 0.4746



16.5215, 0.3271, 0.3256



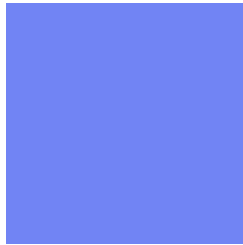
10.5365, 0.6206, 0.3193



0.9377, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 26.5449, 0.2136, 0.1806 looks on a white background.

Color Contrast Check

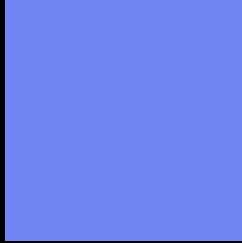
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5449, 0.2136, 0.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

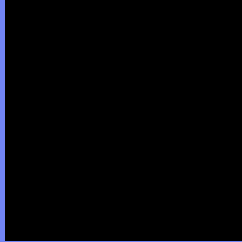
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.5449, 0.2136, 0.1806

Background



This preview shows how black text looks on a background with the Yxy color 26.5449, 0.2136, 0.1806.



This preview shows how white text looks on a background with the Yxy color 26.5449, 0.2136, 0.1806.

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

26.5449, 0.2136, 0.1806

Protanopia

26.8056, 0.2003, 0.1786

Deuteranopia

26.7809, 0.1947, 0.1884



Tritanopia

26.7089, 0.2468, 0.3077

Trichromacy



Original Color

26.5449, 0.2136, 0.1806

Protanomaly

26.5847, 0.2046, 0.1790

Deuteranomaly

26.3974, 0.1998, 0.1840

Tritanomaly

26.1852, 0.2327, 0.2517

Monochromacy



Original Color

26.5449, 0.2136, 0.1806

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.5285, 0.2685, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5449, 0.2136, 0.1806 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(113, 132, 244)` looks like.

```
.text, #text, p{  
    color:rgb(113, 132, 244)  
}
```

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(113, 132, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 132, 244) }
```

Border

The CSS property to change the border of an element to Yxy 26.5449, 0.2136, 0.1806 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(113, 132, 244) }
```

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

```
.border{ border-color:rgb(113, 132, 244) }
```

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

Here you see how a box with a 4 pixel rgb(113, 132, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 132, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 132, 244);  
box-shadow:4px 4px 4px 4px rgb(113, 132,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5449, 0.2136, 0.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 132, 244) }
```

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

```
.background{ background-color: rgb(113,  
132, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor