

Converting Colors

$Y_{xy}(31.2107, 0.2126, 0.1927)$

Have a look what the booklet for
Yxy(31.2107, 0.2126, 0.1927)
contains.

Yxy(31.2107, 0.2126, 0.1927)	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(31.2107, 0.2126, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	6E93FC
RGB	110, 147, 252
RGB Percent	43%, 58%, 99%
CMY	0.5687, 0.4235, 0.0117
CMYK	0.56, 0.42, 0.00, 0.01
HSL	224°, 96%, 71%
HSV	224°, 56%, 99%
XYZ	34.4338, 31.2107, 96.3207
YIQ	147.9070, -55.7570, 24.8110

Conversions

Conversions Part 2

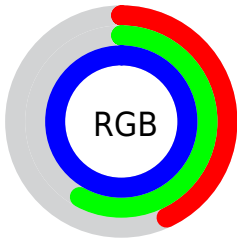
Format	Color
RYB	110, 139, 252
Decimal	7246844
CIELab	62.69, 17.28, -56.33
CIELCh	63, 58.919, 287.054
Yxy	31.2107, 0.2126, 0.1927
Android (android.graphics.Color)	4285436924 (0xFF6E93FC)
YUV	147.9070, 51.3178, -33.2444
Hunter-Lab	55.8665, 12.2535, -63.1166

Details

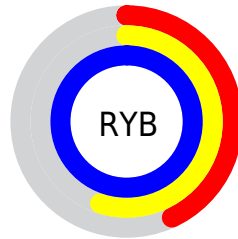
The Yxy color **31.2107, 0.2126, 0.1927** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.4173, 0.4140, 0.4334**, and the grayscale version is **29.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5393, 0.2572, 0.2666**, and **12.9609, 0.1849, 0.1593** is the 20% darker color. If you saturate the color by 10%, you get **24.4861, 0.1953, 0.1645**, and if you desaturate by 10%, it is **39.3353, 0.2312, 0.2209**.

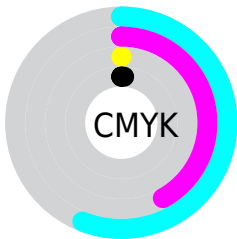
Distribution



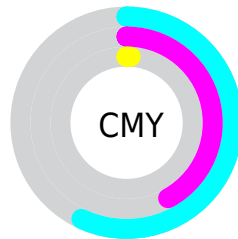
- Red (43%)
- Green (58%)
- Blue (99%)



- Red (43%)
- Yellow (55%)
- Blue (99%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (1%)





- Cyan (57%)
- Magenta (42%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2107, 0.2126, 0.1927 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 31.2107, 0.2126, 0.1927 by changing the saturation by 10% instead.


 31.2107, 0.2126,
0.1927


 31.2107, 0.2126,
0.1927


307.5078, 0.2634,
0.2583

 20.7593, 0.2003,
0.1778


 61.5716, 0.2309,
0.2156

 12.9482, 0.1849,
0.1596

 82.2500, 0.2378,
0.2245

 7.3929, 0.1654,
0.1373


 107.1062, 0.2437,
0.2321

 3.7090, 0.1402,
0.1098

136.5246, 0.2488,
0.2387

 1.5122, 0.1077,
0.0766

170.8895, 0.2532,
0.2446

 0.2973, 0.0674,
0.0284

210.5855, 0.2570,

 0.0000, 0.0000,

0.2497

0.0000

255.9968, 0.2604,
0.2542

■ 31.2107, 0.2126,
0.1927

■ 31.2107, 0.2126,
0.1927

■ 24.4861, 0.1953,
0.1645

■ 39.3353, 0.2312,
0.2209

■ 19.0732, 0.1802,
0.1377

■ 48.9342, 0.2502,
0.2481

■ 14.8771, 0.1683,
0.1138

■ 60.0799, 0.2688,
0.2734

■ 11.7857, 0.1601,
0.0942

■ 72.8392, 0.2864,
0.2965

■ 10.8918, 0.1578,
0.0881

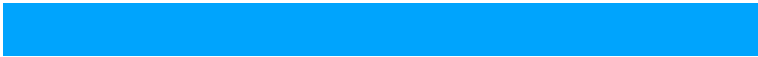
■ 87.2745, 0.3029,
0.3171

99.8095, 0.3144,
0.3318

Harmonies

Analogous

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



31.2107, 0.1693, 0.2007



31.2107, 0.2126, 0.1927



31.2107, 0.2877, 0.2114

Triad

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



31.2107, 0.2126, 0.1927



31.2107, 0.4970, 0.3738



31.2107, 0.2323, 0.4263

Complementary

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



31.2107, 0.2126, 0.1927



70.4173, 0.4140, 0.4334

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.



31.2107, 0.3141, 0.4970



31.2107, 0.2126, 0.1927



31.2107, 0.4686, 0.4396

Square

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



31.2107, 0.2126, 0.1927



31.2107, 0.4665, 0.3095



31.2107, 0.4002, 0.4926



31.2107, 0.1772, 0.3214

Rectangle

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



31.2107, 0.2126, 0.1927



31.2107, 0.3512, 0.2367



31.2107, 0.4002, 0.4926



31.2107, 0.2576, 0.4571

Sweetspot

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



31.2117, 0.2126, 0.1927



73.9149, 0.2853, 0.2951



77.8086, 0.2578, 0.3757



15.2326, 0.2819, 0.2906



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.



31.2117, 0.2126, 0.1927



24.1254, 0.1926, 0.1599



24.0248, 0.2248, 0.1566



17.3787, 0.2979, 0.3109



5.8743, 0.1586, 0.0908



0.7084, 0.1647, 0.1130

Inverse Universe

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



33.9513, 0.4380, 0.2916



28.7618, 0.4812, 0.2881



85.7991, 0.3703, 0.4756



17.2995, 0.3253, 0.3228



11.0039, 0.5899, 0.3024



1.0357, 0.5566, 0.2840

Previews

White Background



This preview shows how the Yxy color 31.2107, 0.2126, 0.1927 looks on a white background.

Color Contrast Check

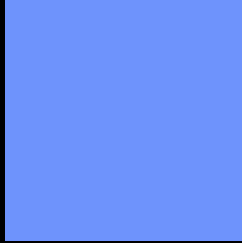
Large Text (above 18pt) WCAG AA × Fail

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 31.2107, 0.2126, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

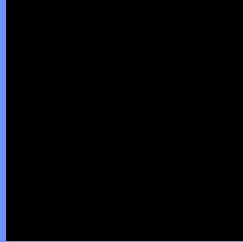
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

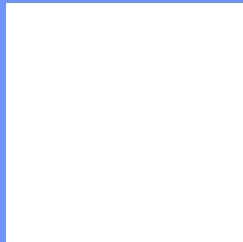
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2107, 0.2126, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 31.2107, 0.2126, 0.1927.



This preview shows how white text looks on a background with the Yxy color 31.2107, 0.2126, 0.1927.

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

31.2107, 0.2126, 0.1927

Protanopia

31.3339, 0.2114, 0.1935

Deuteranopia

31.3528, 0.2032, 0.1968



Tritanopia

31.1180, 0.2398, 0.3055

Trichromacy



Original Color

31.2107, 0.2126, 0.1927

Protanomaly

31.3962, 0.2119, 0.1937

Deuteranomaly

31.1574, 0.2063, 0.1952

Tritanomaly

30.7489, 0.2286, 0.2568

Monochromacy



Original Color

31.2107, 0.2126, 0.1927

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7933, 0.2669, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2107, 0.2126, 0.1927 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(110, 147, 252)` looks like.

```
.text, #text, p{  
    color:rgb(110, 147, 252)  
}
```

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(110, 147, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 147, 252) }
```

Border

The CSS property to change the border of an element to Yxy 31.2107, 0.2126, 0.1927 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(110, 147, 252) }
```

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

```
.border{ border-color:rgb(110, 147, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 147, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 147, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 147, 252);  
box-shadow:4px 4px 4px 4px rgb(110, 147,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2107, 0.2126, 0.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 147, 252) }
```

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

```
.background{ background-color: rgb(110,  
147, 252) }
```

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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