

Converting Colors

$Y_{xy}(31.5359, 0.2162, 0.1897)$

Have a look what the booklet for
Yxy(31.5359, 0.2162, 0.1897)
contains.

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Color

Yxy(31.4639, 0.2162, 0.1893)

Conversions

Conversions Part 1

Format	Color
Hex	7891FF
RGB	120, 145, 255
RGB Percent	47%, 57%, 100%
CMY	0.5290, 0.4315, 0.0000
CMYK	0.53, 0.43, 0.00, 0.00
HSL	229°, 100%, 74%
HSV	229°, 53%, 100%
XYZ	35.9350, 31.4639, 98.8129
YIQ	150.0650, -50.2100, 28.9100

Conversions

Conversions Part 2

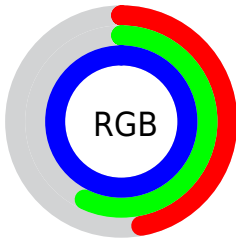
Format	Color
RYB	120, 141, 255
Decimal	7901695
CIELab	62.90, 21.47, -57.60
CIElCh	63, 61.475, 290.442
Yxy	31.4639, 0.2162, 0.1893
Android (android.graphics.Color)	4286091775 (0xFF7891FF)
YUV	150.0650, 51.7330, -26.3670
Hunter-Lab	56.0927, 16.1913, -65.1804

Details

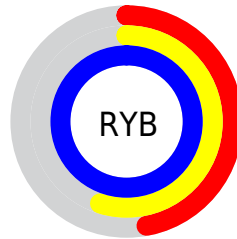
The Yxy color **31.4639, 0.2162, 0.1893** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.2843, 0.4020, 0.4368**, and the grayscale version is **30.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6506, 0.2624, 0.2651**, and **13.1024, 0.1892, 0.1557** is the 20% darker color. If you saturate the color by 10%, you get **24.0907, 0.1974, 0.1588**, and if you desaturate by 10%, it is **40.4841, 0.2360, 0.2200**.

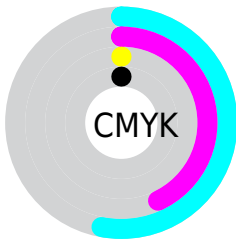
Distribution



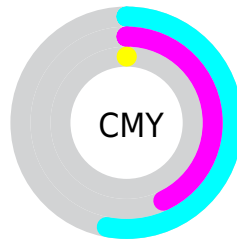
- Red (47%)
- Green (57%)
- Blue (100%)



- Red (47%)
- Yellow (55%)
- Blue (100%)



- Cyan (53%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4639, 0.2162, 0.1893 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 31.4639, 0.2162, 0.1893 by changing the saturation by 10% instead.


 31.4639, 0.2162,
0.1893


 31.4639, 0.2162,
0.1893


308.6698, 0.2654,
0.2559

 20.9524, 0.2043,
0.1743


 61.9697, 0.2339,
0.2124

 13.0892, 0.1893,
0.1561


 82.7327, 0.2406,
0.2214

 7.4900, 0.1703,
0.1340


 107.6817, 0.2463,
0.2292

 3.7704, 0.1458,
0.1069

137.2011, 0.2512,
0.2359

 1.5460, 0.1139,
0.0744

171.6752, 0.2555,
0.2418

 0.3207, 0.0745,
0.0288

211.4884, 0.2592,

 0.0000, 0.0000,

0.2471

0.0000

257.0252, 0.2625,
0.2517

■ 31.4639, 0.2162,
0.1893

■ 31.4639, 0.2162,
0.1893

■ 24.0907, 0.1974,
0.1588

■ 40.4841, 0.2360,
0.2200

■ 18.2643, 0.1808,
0.1300

■ 51.2480, 0.2557,
0.2494

■ 13.8687, 0.1675,
0.1050

■ 63.8413, 0.2746,
0.2766

■ 10.7708, 0.1583,
0.0852

■ 78.3448, 0.2922,
0.3013

■ 9.2541, 0.1541,
0.0748

■ 94.8343, 0.3083,
0.3232

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.4639, 0.1682, 0.1939



31.4639, 0.2162, 0.1893



31.4639, 0.2971, 0.2114

Triad

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



31.4639, 0.2162, 0.1893



31.4639, 0.5032, 0.3818



31.4639, 0.2208, 0.4186

Complementary

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



31.4639, 0.2162, 0.1893



79.2843, 0.4020, 0.4368

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.



31.4639, 0.3031, 0.5002



31.4639, 0.2162, 0.1893



31.4639, 0.4670, 0.4496

Square

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



31.4639, 0.2162, 0.1893



31.4639, 0.4794, 0.3154



31.4639, 0.3927, 0.5025



31.4639, 0.1684, 0.3091

Rectangle

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



31.4639, 0.2162, 0.1893



31.4639, 0.3641, 0.2389



31.4639, 0.3927, 0.5025



31.4639, 0.2458, 0.4528

Sweetspot

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



31.4629, 0.2162, 0.1893



73.6413, 0.2869, 0.2939



81.1230, 0.2560, 0.3610



15.1159, 0.2833, 0.2889



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.



31.4629, 0.2162, 0.1893



24.0256, 0.1973, 0.1585



28.2102, 0.2379, 0.1704



17.9193, 0.2979, 0.3090



4.9900, 0.1547, 0.0769



0.6243, 0.1598, 0.0953

Inverse Universe

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



36.7611, 0.4390, 0.3040



30.7822, 0.4790, 0.3014



87.2547, 0.3616, 0.4706



18.0418, 0.3265, 0.3246



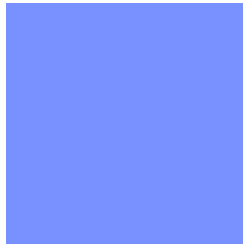
11.2317, 0.6120, 0.3145



1.1076, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 31.4639, 0.2162, 0.1893 looks on a white background.

Color Contrast Check

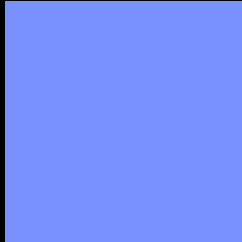
Large Text (above 18pt) WCAG AA × Fail

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 31.4639, 0.2162, 0.1893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

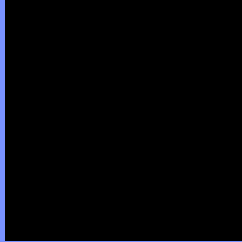
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4639, 0.2162, 0.1893

Background



This preview shows how black text looks on a background with the Yxy color 31.4639, 0.2162, 0.1893.



This preview shows how white text looks on a background with the Yxy color 31.4639, 0.2162, 0.1893.

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

31.4639, 0.2162, 0.1893

Protanopia

31.4640, 0.2097, 0.1908

Deuteranopia

31.7133, 0.2021, 0.1961



Tritanopia

31.3024, 0.2469, 0.3058

Trichromacy



Original Color

31.4639, 0.2162, 0.1893

Protanomaly

31.4669, 0.2119, 0.1903

Deuteranomaly

31.4552, 0.2061, 0.1928

Tritanomaly

31.0683, 0.2340, 0.2550

Monochromacy



Original Color

31.4639, 0.2162, 0.1893

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2996, 0.2696, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4639, 0.2162, 0.1893 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(120, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 255)  
}
```

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(120, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.4639, 0.2162, 0.1893 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(120, 145, 255) }
```

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

```
.border{ border-color:rgb(120, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4639, 0.2162, 0.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 255) }
```

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

```
.background{ background-color: rgb(120,  
145, 255) }
```

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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