

Converting Colors

$Y_{xy}(31.7829, 0.2164, 0.1994)$

Have a look what the booklet for
Yxy(31.7829, 0.2164, 0.1994)
contains.

Yxy(31.7829, 0.2164, 0.1994)	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(31.7829, 0.2164, 0.1994)

Conversions

Conversions Part 1

Format	Color
Hex	7195F8
RGB	113, 149, 248
RGB Percent	44%, 58%, 97%
CMY	0.5571, 0.4156, 0.0275
CMYK	0.54, 0.40, 0.00, 0.03
HSL	224°, 91%, 71%
HSV	224°, 54%, 97%
XYZ	34.4926, 31.7829, 93.1172
YIQ	149.5220, -53.2350, 23.1570

Conversions

Conversions Part 2

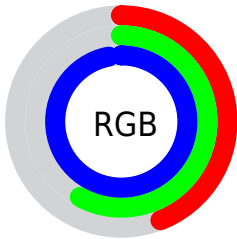
Format	Color
R _Y B	113, 141, 248
Decimal	7443960
CIE Lab	63.16, 15.42, -53.35
CIE LCh	63, 55.536, 286.123
Yxy	31.7829, 0.2164, 0.1994
Android (android.graphics.Color)	4285634040 (0xFF7195F8)
YUV	149.5220, 48.5497, -32.0298
Hunter-Lab	56.3763, 10.5526, -58.4663

Details

The Yxy color **31.7829, 0.2164, 0.1994** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.1852, 0.4108, 0.4296**, and the grayscale version is **30.0897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7025, 0.2587, 0.2692**, and **13.3136, 0.1898, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **25.0493, 0.1988, 0.1713**, and if you desaturate by 10%, it is **39.8651, 0.2351, 0.2273**.

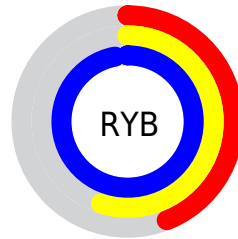
Distribution



Red (44%)

Green (58%)

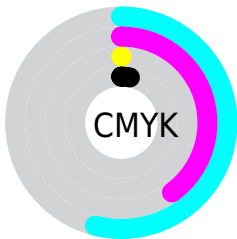
Blue (97%)



Red (44%)

Yellow (55%)

Blue (97%)

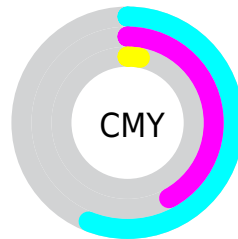


Cyan (54%)

Magenta (40%)

Yellow (0%)

Black (3%)



Cyan (56%)


Magenta (42%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7829, 0.2164, 0.1994 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 31.7829, 0.2164, 0.1994 by changing the saturation by 10% instead.


 31.7829, 0.2164,
0.1994


 31.7829, 0.2164,
0.1994

310.1291, 0.2653,
0.2622

 21.1957, 0.2045,
0.1849


 62.4706, 0.2341,
0.2214

 13.2671, 0.1896,
0.1672


 83.3399, 0.2407,
0.2299

 7.6128, 0.1705,
0.1453


 108.4054, 0.2464,
0.2372

 3.8482, 0.1457,
0.1179

138.0514, 0.2513,
0.2436

 1.5890, 0.1132,
0.0842

172.6624, 0.2555,
0.2491

 0.3502, 0.0721,
0.0356

212.6228, 0.2592,

 0.0000, 0.0000,

0.2540

0.0000

258.3169, 0.2624,
0.2583

■ 31.7829, 0.2164,
0.1994

■ 31.7829, 0.2164,
0.1994

■ 25.0493, 0.1988,
0.1713

■ 39.8651, 0.2351,
0.2273

■ 19.5821, 0.1833,
0.1443

■ 49.3647, 0.2539,
0.2538

■ 15.2938, 0.1708,
0.1198

■ 60.3497, 0.2723,
0.2785

■ 12.0822, 0.1618,
0.0991

■ 72.8822, 0.2897,
0.3009

■ 10.7041, 0.1582,
0.0896

■ 87.0209, 0.3059,
0.3209

99.5569, 0.3168,
0.3357

Harmonies

Analogous

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



31.7829, 0.1757, 0.2084



31.7829, 0.2164, 0.1994



31.7829, 0.2870, 0.2164

Triad

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



31.7829, 0.2164, 0.1994



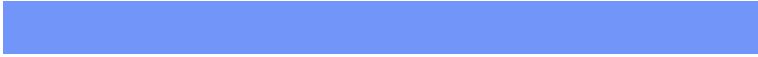
31.7829, 0.4862, 0.3712



31.7829, 0.2396, 0.4224

Complementary

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



31.7829, 0.2164, 0.1994



68.1852, 0.4108, 0.4296

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.



31.7829, 0.3178, 0.4862



31.7829, 0.2164, 0.1994



31.7829, 0.4621, 0.4334

Square

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



31.7829, 0.2164, 0.1994



31.7829, 0.4551, 0.3096



31.7829, 0.3990, 0.4823



31.7829, 0.1858, 0.3255

Rectangle

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



31.7829, 0.2164, 0.1994



31.7829, 0.3463, 0.2403



31.7829, 0.3990, 0.4823



31.7829, 0.2639, 0.4503

Sweetspot

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



31.7840, 0.2164, 0.1994



75.4517, 0.2871, 0.2975



75.2760, 0.2601, 0.3767



15.5428, 0.2835, 0.2931



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.



31.7840, 0.2164, 0.1994



26.2790, 0.1978, 0.1695



24.3398, 0.2267, 0.1622



17.3973, 0.2979, 0.3111



5.9784, 0.1589, 0.0922



0.7202, 0.1652, 0.1146

Inverse Universe

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



33.9206, 0.4302, 0.2917



30.1548, 0.4682, 0.2875



83.3392, 0.3705, 0.4702



17.3014, 0.3252, 0.3227



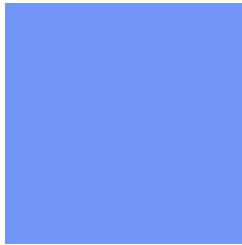
11.0144, 0.5878, 0.3012



1.0369, 0.5544, 0.2828

Previews

White Background



This preview shows how the Yxy color 31.7829, 0.2164, 0.1994 looks on a white background.

Color Contrast Check

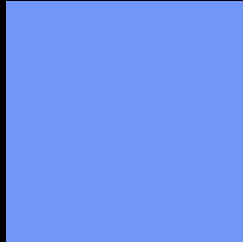
Large Text (above 18pt) WCAG AA × Fail

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 31.7829, 0.2164, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

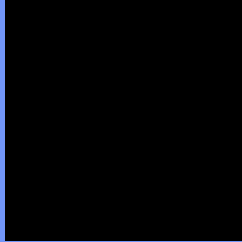
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7829, 0.2164, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 31.7829, 0.2164, 0.1994.



This preview shows how white text looks on a background with the Yxy color 31.7829, 0.2164, 0.1994.

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

31.7829, 0.2164, 0.1994

Protanopia

31.7829, 0.2164, 0.1994

Deuteranopia

31.9308, 0.2092, 0.2031



Tritanopia

31.7515, 0.2434, 0.3074

Trichromacy



Original Color

31.7829, 0.2164, 0.1994

Protanomaly

31.7829, 0.2164, 0.1994

Deuteranomaly

31.9967, 0.2121, 0.2026

Tritanomaly

31.5949, 0.2320, 0.2617

Monochromacy



Original Color

31.7829, 0.2164, 0.1994

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6762, 0.2697, 0.2750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7829, 0.2164, 0.1994 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, 149, 248)` looks like.

```
.text, #text, p{  
    color:rgb(113, 149, 248)  
}
```

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, 149, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 149, 248) }
```

Border

The CSS property to change the border of an element to Yxy 31.7829, 0.2164, 0.1994 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, 149, 248) }
```

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

```
.border{ border-color:rgb(113, 149, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 149, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 149, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 149, 248);  
box-shadow:4px 4px 4px 4px rgb(113, 149,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7829, 0.2164, 0.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 149, 248) }
```

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

```
.background{ background-color: rgb(113,  
149, 248) }
```

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