

Converting Colors

$Yxy(31.8772, 0.2200, 0.2201)$

Have a look what the booklet for
Yxy(31.8772, 0.2200, 0.2201)
contains.

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Color

Yxy(31.8805, 0.2202, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	689AE8
RGB	104, 154, 232
RGB Percent	41%, 60%, 91%
CMY	0.5924, 0.3960, 0.0902
CMYK	0.55, 0.34, 0.00, 0.09
HSL	217°, 74%, 66%
HSV	217°, 55%, 91%
XYZ	31.8227, 31.8805, 80.8140
YIQ	147.9420, -54.8380, 13.6580

Conversions

Conversions Part 2

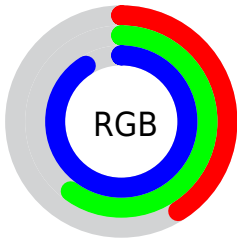
Format	Color
RYB	104, 140, 232
Decimal	6855400
CIELab	63.24, 5.62, -44.45
CIELCh	63, 44.807, 277.209
Yxy	31.8805, 0.2202, 0.2206
Android (android.graphics.Color)	4285045480 (0xFF689AE8)
YUV	147.9420, 41.4406, -38.5371
Hunter-Lab	56.4628, 1.7934, -45.3365

Details

The Yxy color **31.8805, 0.2202, 0.2206** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **51.5706, 0.4221, 0.4148**, and the grayscale version is **29.4251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1183, 0.2543, 0.2744**, and **13.2472, 0.1936, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **26.2877, 0.2044, 0.1968**, and if you desaturate by 10%, it is **38.4060, 0.2372, 0.2438**.

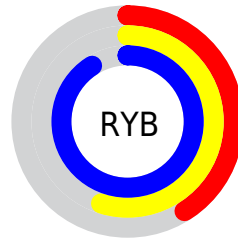
Distribution



Red (41%)

Green (60%)

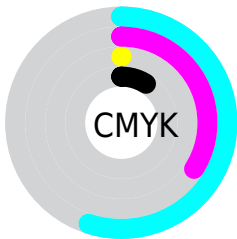
Blue (91%)



Red (41%)

Yellow (55%)

Blue (91%)

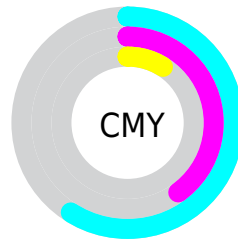


Cyan (55%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (59%)


Magenta (40%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8805, 0.2202, 0.2206 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 31.8805, 0.2202, 0.2206 by changing the saturation by 10% instead.


 31.8805, 0.2202,
0.2206

 31.8805, 0.2202,
0.2206


310.5745, 0.2673,
0.2748

 21.2702, 0.2086,
0.2075

 62.6237, 0.2373,
0.2401


 13.3217, 0.1939,
0.1911


 83.5254, 0.2437,
0.2475

 7.6504, 0.1749,
0.1701


 108.6265, 0.2492,
0.2538

 3.8721, 0.1497,
0.1428

 138.3111, 0.2539,
0.2592

 1.6023, 0.1160,
0.1071

172.9639, 0.2579,
0.2639

 0.3591, 0.0664,
0.0498

212.9691, 0.2614,

 0.0000, 0.0000,

0.2680

0.0000

258.7112, 0.2645,
0.2716

■ 31.8805, 0.2202,
0.2206

■ 31.8805, 0.2202,
0.2206

■ 26.2877, 0.2044,
0.1968

■ 38.4060, 0.2372,
0.2438

■ 21.5731, 0.1904,
0.1732

■ 45.9074, 0.2546,
0.2657

■ 17.6805, 0.1789,
0.1507

■ 54.4287, 0.2719,
0.2860

■ 14.5424, 0.1703,
0.1302


■ 64.0103, 0.2887,
0.3045

■ 13.2624, 0.1670,
0.1211

■ 74.6898, 0.3048,
0.3211

 86.5031, 0.3198,
0.3358

 97.2723, 0.3264,
0.3493

 98.6058, 0.3262,
0.3513

Harmonies

Analogous

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



31.8805, 0.1927, 0.2371



31.8805, 0.2202, 0.2206



31.8805, 0.2729, 0.2283

Triad

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



31.8805, 0.2202, 0.2206



31.8805, 0.4507, 0.3519



31.8805, 0.2724, 0.4219

Complementary

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



31.8805, 0.2202, 0.2206



51.5706, 0.4221, 0.4148

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.



31.8805, 0.3401, 0.4585



31.8805, 0.2202, 0.2206



31.8805, 0.4460, 0.4044

Square

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



31.8805, 0.2202, 0.2206



31.8805, 0.4118, 0.3001



31.8805, 0.4040, 0.4467



31.8805, 0.2192, 0.3503

Rectangle

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



31.8805, 0.2202, 0.2206



31.8805, 0.3189, 0.2452



31.8805, 0.4040, 0.4467



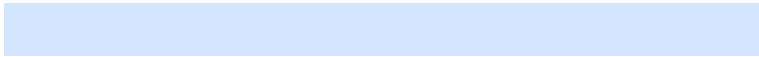
31.8805, 0.2942, 0.4396

Sweetspot

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



31.8816, 0.2202, 0.2206



76.9850, 0.2856, 0.3012



63.9747, 0.2671, 0.3985



15.9526, 0.2823, 0.2975



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.



31.8816, 0.2202, 0.2206



31.8584, 0.2027, 0.1941



19.4765, 0.2145, 0.1558



14.8071, 0.2981, 0.3143



7.5913, 0.1678, 0.1241



0.7374, 0.1759, 0.1532

Inverse Universe

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



29.3752, 0.4104, 0.2736



30.3121, 0.4424, 0.2664



73.7961, 0.3824, 0.4655



14.4609, 0.3231, 0.3198



9.9641, 0.5408, 0.2753



0.7541, 0.5018, 0.2538

Previews

White Background



This preview shows how the Yxy color 31.8805, 0.2202, 0.2206 looks on a white background.

Color Contrast Check

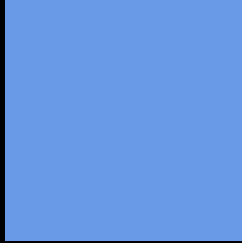
Large Text (above 18pt) WCAG AA × Fail

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 31.8805, 0.2202, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

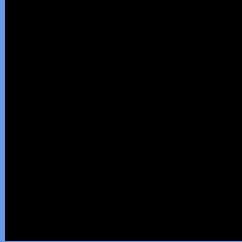
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

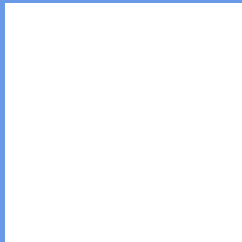
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8805, 0.2202, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 31.8805, 0.2202, 0.2206.



This preview shows how white text looks on a background with the Yxy color 31.8805, 0.2202, 0.2206.

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

31.8805, 0.2202, 0.2206

Protanopia

31.7741, 0.2335, 0.2223

Deuteranopia

31.7934, 0.2246, 0.2190



Tritanopia

32.0094, 0.2415, 0.3074

Trichromacy



Original Color

31.8805, 0.2202, 0.2206

Protanomaly

31.5723, 0.2282, 0.2214

Deuteranomaly

31.9237, 0.2232, 0.2200

Tritanomaly

31.7911, 0.2326, 0.2713

Monochromacy



Original Color

31.8805, 0.2202, 0.2206

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.9729, 0.2708, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8805, 0.2202, 0.2206 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(104, 154, 232)` looks like.

```
.text, #text, p{  
    color:rgb(104, 154, 232)  
}
```

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(104, 154, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 154, 232) }
```

Border

The CSS property to change the border of an element to Yxy 31.8805, 0.2202, 0.2206 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(104, 154, 232) }
```

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

```
.border{ border-color:rgb(104, 154, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 154, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 154, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 154, 232);  
box-shadow:4px 4px 4px 4px rgb(104, 154,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8805, 0.2202, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 154, 232) }
```

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

```
.background{ background-color: rgb(104,  
154, 232) }
```

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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