

Converting Colors

$Y_{xy}(31.3125, 0.2219, 0.2103)$

Have a look what the booklet for
Yxy(31.3125, 0.2219, 0.2103)
contains.

Yxy(31.1867, 0.2219, 0.2099)	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(31.1867, 0.2219, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	7295ED
RGB	114, 149, 237
RGB Percent	45%, 58%, 93%
CMY	0.5532, 0.4156, 0.0705
CMYK	0.52, 0.37, 0.00, 0.07
HSL	223°, 77%, 69%
HSV	223°, 52%, 93%
XYZ	32.9696, 31.1867, 84.4225
YIQ	148.5670, -49.1080, 19.9480

Conversions

Conversions Part 2

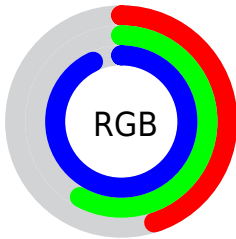
Format	Color
RYB	114, 141, 237
Decimal	7509485
CIELab	62.66, 12.24, -48.11
CIElCh	63, 49.640, 284.276
Yxy	31.1867, 0.2219, 0.2099
Android (android.graphics.Color)	4285699565 (0xFF7295ED)
YUV	148.5670, 43.5975, -30.3153
Hunter-Lab	55.8451, 7.6535, -50.5388

Details

The Yxy color **31.1867, 0.2219, 0.2099** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.4431, 0.4070, 0.4233**, and the grayscale version is **29.6892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7025, 0.2587, 0.2692**, and **12.9899, 0.1956, 0.1787** is the 20% darker color. If you saturate the color by 10%, you get **24.8209, 0.2042, 0.1824**, and if you desaturate by 10%, it is **38.7468, 0.2404, 0.2368**.

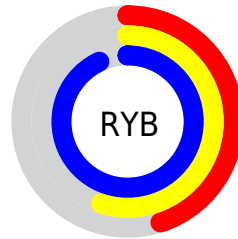
Distribution



Red (45%)

Green (58%)

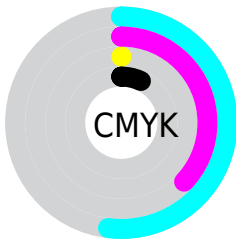
Blue (93%)



Red (45%)

Yellow (55%)

Blue (93%)

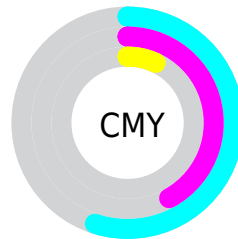


Cyan (52%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (55%)


Magenta (42%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1867, 0.2219, 0.2099 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 31.1867, 0.2219, 0.2099 by changing the saturation by 10% instead.


 31.1867, 0.2219,
0.2099


 31.1867, 0.2219,
0.2099


307.3975, 0.2684,
0.2686


 20.7411, 0.2104,
0.1960


 61.5339, 0.2388,
0.2308

 12.9349, 0.1958,
0.1788


 82.2042, 0.2452,
0.2388

 7.3837, 0.1770,
0.1570


 107.0516, 0.2506,
0.2456

 3.7032, 0.1521,
0.1293

136.4604, 0.2552,
0.2515

 1.5090, 0.1187,
0.0941

170.8150, 0.2592,
0.2566

 0.2950, 0.0732,
0.0373

210.4997, 0.2626,

 0.0000, 0.0000,

0.2611

0.0000

255.8991, 0.2657,
0.2651

■ 31.1867, 0.2219,
0.2099

■ 31.1867, 0.2219,
0.2099

■ 24.8209, 0.2042,
0.1824

■ 38.7468, 0.2404,
0.2368

■ 19.5801, 0.1883,
0.1554

■ 47.5586, 0.2590,
0.2622

■ 15.3920, 0.1750,
0.1304

■ 57.6793, 0.2770,
0.2856

■ 12.1725, 0.1650,
0.1085

■ 69.1616, 0.2940,
0.3068

■ 10.1942, 0.1594,
0.0938

■ 82.0551, 0.3098,
0.3256

■ 96.1867, 0.3236,
0.3423

■ 98.8960, 0.3232,
0.3463

Harmonies

Analogous

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



31.1867, 0.1856, 0.2205



31.1867, 0.2219, 0.2099



31.1867, 0.2853, 0.2241

Triad

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



31.1867, 0.2219, 0.2099



31.1867, 0.4693, 0.3662



31.1867, 0.2512, 0.4169

Complementary

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



31.1867, 0.2219, 0.2099



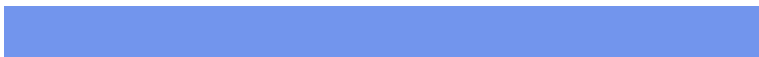
61.4431, 0.4070, 0.4233

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.



31.1867, 0.3236, 0.4705



31.1867, 0.2219, 0.2099



31.1867, 0.4518, 0.4230

Square

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



31.1867, 0.2219, 0.2099



31.1867, 0.4375, 0.3091



31.1867, 0.3971, 0.4665



31.1867, 0.1994, 0.3320

Rectangle

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



31.1867, 0.2219, 0.2099



31.1867, 0.3384, 0.2455



31.1867, 0.3971, 0.4665



31.1867, 0.2740, 0.4406

Sweetspot

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



31.1878, 0.2219, 0.2099



75.8438, 0.2871, 0.2983



68.3321, 0.2628, 0.3767



15.6354, 0.2836, 0.2939



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.



31.1878, 0.2219, 0.2099



29.0861, 0.2037, 0.1815



23.5882, 0.2302, 0.1703



15.2479, 0.2980, 0.3117



5.7574, 0.1602, 0.0965



0.6111, 0.1676, 0.1235

Inverse Universe

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



32.2006, 0.4186, 0.2907



31.7423, 0.4532, 0.2855



75.8553, 0.3699, 0.4631



15.1246, 0.3248, 0.3223



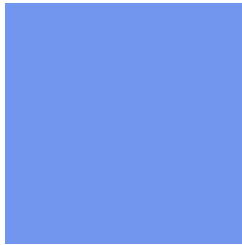
10.0740, 0.5812, 0.2975



0.8071, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 31.1867, 0.2219, 0.2099 looks on a white background.

Color Contrast Check

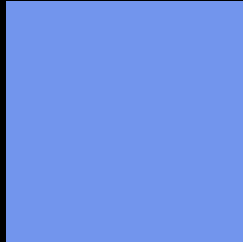
Large Text (above 18pt) WCAG AA × Fail

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 31.1867, 0.2219, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

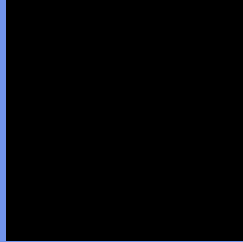
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1867, 0.2219, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 31.1867, 0.2219, 0.2099.



This preview shows how white text looks on a background with the Yxy color 31.1867, 0.2219, 0.2099.

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

31.1867, 0.2219, 0.2099

Protanopia

31.0875, 0.2245, 0.2102

Deuteranopia

31.2509, 0.2176, 0.2113



Tritanopia

31.2630, 0.2475, 0.3074

Trichromacy



Original Color

31.1867, 0.2219, 0.2099

Protanomaly

31.0178, 0.2239, 0.2100

Deuteranomaly

31.1153, 0.2189, 0.2104

Tritanomaly

30.9579, 0.2370, 0.2657

Monochromacy



Original Color

31.1867, 0.2219, 0.2099

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0653, 0.2726, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1867, 0.2219, 0.2099 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(114, 149, 237)` looks like.

```
.text, #text, p{  
    color:rgb(114, 149, 237)  
}
```

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(114, 149, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 149, 237) }
```

Border

The CSS property to change the border of an element to Yxy 31.1867, 0.2219, 0.2099 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(114, 149, 237) }
```

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

```
.border{ border-color:rgb(114, 149, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 149, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 149, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 149, 237);  
box-shadow:4px 4px 4px 4px rgb(114, 149,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1867, 0.2219, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 149, 237) }
```

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

```
.background{ background-color: rgb(114,  
149, 237) }
```

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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