

Converting Colors

$Yxy(31.9497, 0.2157, 0.2374)$

Have a look what the booklet for
Yxy(31.9497, 0.2157, 0.2374)
contains.

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Color

Yxy(31.8195, 0.2154, 0.2365)

Conversions

Conversions Part 1

Format	Color
Hex	519FDE
RGB	81, 159, 222
RGB Percent	32%, 62%, 87%
CMY	0.6823, 0.3765, 0.1293
CMYK	0.64, 0.28, 0.00, 0.13
HSL	207°, 68%, 59%
HSV	207°, 64%, 87%
XYZ	28.9806, 31.8195, 73.7432
YIQ	142.8600, -66.7110, 3.0570

Conversions

Conversions Part 2

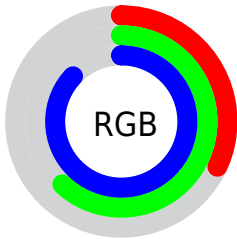
Format	Color
R_{YB}	81, 131, 222
Decimal	5349342
CIE _{Lab}	63.19, -4.82, -39.10
CIE _{LCh}	63, 39.393, 262.974
Yxy	31.8195, 0.2154, 0.2365
Android (android.graphics.Color)	4283539422 (0xFF519FDE)
YUV	142.8600, 39.0160, -54.2512
Hunter-Lab	56.4088, -7.0090, -38.0237

Details

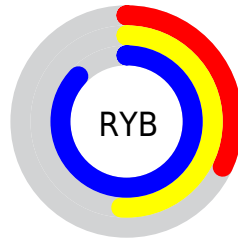
The Yxy color **31.8195, 0.2154, 0.2365** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **36.0941, 0.4609, 0.3999**, and the grayscale version is **27.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5593, 0.2442, 0.2790**, and **13.5151, 0.1917, 0.2100** is the 20% darker color. If you saturate the color by 10%, you get **27.7168, 0.2034, 0.2190**, and if you desaturate by 10%, it is **36.5192, 0.2291, 0.2537**.

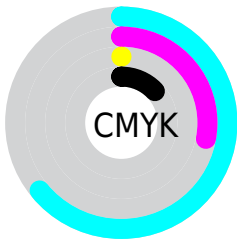
Distribution



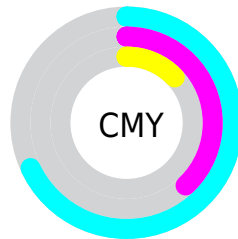
- Red (32%)
- Green (62%)
- Blue (87%)



- Red (32%)
- Yellow (51%)
- Blue (87%)



- Cyan (64%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8195, 0.2154, 0.2365 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 31.8195, 0.2154, 0.2365 by changing the saturation by 10% instead.

■ 31.8195, 0.2154,
0.2365

■ 31.8195, 0.2154,
0.2365

■ 310.2962, 0.2647,
0.2841

■ 21.2237, 0.2032,
0.2245

■ 62.5280, 0.2333,
0.2539

■ 13.2876, 0.1879,
0.2093

■ 83.4095, 0.2400,
0.2605

■ 7.6269, 0.1679,
0.1893

■ 108.4883, 0.2457,
0.2660

■ 3.8571, 0.1416,
0.1625

■ 138.1488, 0.2506,
0.2707

■ 1.5940, 0.1063,
0.1257

■ 172.7755, 0.2549,
0.2747

■ 0.3535, 0.0384,
0.0621

■ 212.7527, 0.2586,

■ 0.0000, 0.0000,

0.2783

0.0000

258.4648, 0.2618,
0.2814

■ 31.8195, 0.2154,
0.2365

■ 31.8195, 0.2154,
0.2365

■ 27.7168, 0.2034,
0.2190

■ 36.5192, 0.2291,
0.2537

■ 24.1687, 0.1934,
0.2015

■ 41.8469, 0.2441,
0.2702

■ 21.1302, 0.1857,
0.1846

■ 47.8348, 0.2598,
0.2858

■ 19.3854, 0.1817,
0.1740

■ 54.5117, 0.2758,
0.3002

■ 61.9041, 0.2917,
0.3133

70.0370, 0.3074,
0.3251

78.9340, 0.3224,
0.3357

87.9188, 0.3343,
0.3452

93.8720, 0.3330,
0.3548

Harmonies

Analogous

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



31.8195, 0.2019, 0.2636



31.8195, 0.2154, 0.2365



31.8195, 0.2527, 0.2330

Triad

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



31.8195, 0.2154, 0.2365



31.8195, 0.4222, 0.3281



31.8195, 0.3058, 0.4300

Complementary

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



31.8195, 0.2154, 0.2365



36.0941, 0.4609, 0.3999

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.



31.8195, 0.3664, 0.4427



31.8195, 0.2154, 0.2365



31.8195, 0.4372, 0.3761

Square

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



31.8195, 0.2154, 0.2365



31.8195, 0.3734, 0.2838



31.8195, 0.4153, 0.4189



31.8195, 0.2502, 0.3792

Rectangle

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



31.8195, 0.2154, 0.2365



31.8195, 0.2890, 0.2423



31.8195, 0.4153, 0.4189



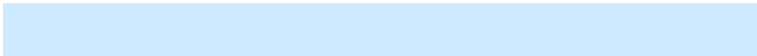
31.8195, 0.3263, 0.4390

Sweetspot

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



31.8206, 0.2154, 0.2365



78.8916, 0.2828, 0.3060



55.9666, 0.2753, 0.4477



16.2747, 0.2782, 0.3022



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.



31.8206, 0.2154, 0.2365



36.3578, 0.2000, 0.2136



14.4103, 0.1921, 0.1366



14.4937, 0.2981, 0.3183



11.7361, 0.1823, 0.1764



0.9914, 0.1894, 0.2020

Inverse Universe

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



23.9261, 0.3989, 0.2426



27.4596, 0.4262, 0.2340



63.5322, 0.4068, 0.4672



13.8268, 0.3206, 0.3161



10.0928, 0.4729, 0.2379



0.7175, 0.4431, 0.2214

Previews

White Background



This preview shows how the Yxy color 31.8195, 0.2154, 0.2365 looks on a white background.

Color Contrast Check

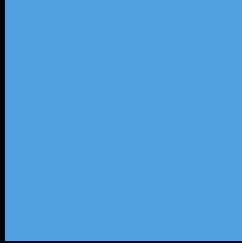
Large Text (above 18pt) WCAG AA × Fail

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 31.8195, 0.2154, 0.2365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

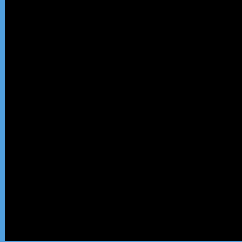
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

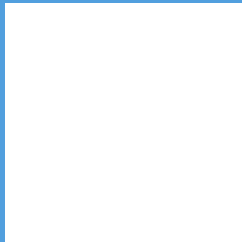
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8195, 0.2154, 0.2365

Background



This preview shows how black text looks on a background with the Yxy color 31.8195, 0.2154, 0.2365.

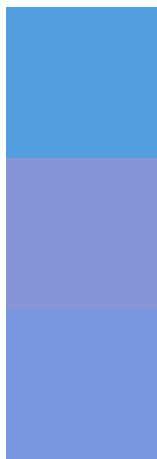


This preview shows how white text looks on a background with the Yxy color 31.8195, 0.2154, 0.2365.

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

31.8195, 0.2154, 0.2365

Protanopia

31.6245, 0.2458, 0.2378

Deuteranopia

31.5800, 0.2333, 0.2274



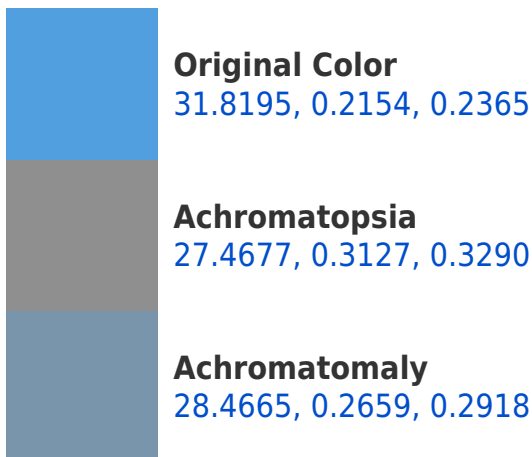
Tritanopia

31.8934, 0.2302, 0.3070

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8195, 0.2154, 0.2365 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(81, 159, 222)` looks like.

```
.text, #text, p{  
    color:rgb(81, 159, 222)  
}
```

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(81, 159, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 159, 222) }
```

Border

The CSS property to change the border of an element to Yxy 31.8195, 0.2154, 0.2365 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(81, 159, 222) }
```

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

```
.border{ border-color:rgb(81, 159, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 159, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 159, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 159, 222);  
box-shadow:4px 4px 4px 4px rgb(81, 159,  
222) }
```


Background

The CSS property to change the background color of an element to `rgb(81, 159, 222)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 159, 222) }
```

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

```
.background{ background-color: rgb(81, 159,  
222) }
```

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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