

Converting Colors

$Y_{xy}(31.0212, 0.1996, 0.1948)$

Have a look what the booklet for
Yxy(31.0212, 0.1996, 0.1948)
contains.

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Color

Yxy(31.0212, 0.1996, 0.1948)

Conversions

Conversions Part 1

Format	Color
Hex	4C98FC
RGB	76, 152, 252
RGB Percent	30%, 60%, 99%
CMY	0.7018, 0.4040, 0.0116
CMYK	0.70, 0.40, 0.00, 0.01
HSL	214°, 97%, 64%
HSV	214°, 70%, 99%
XYZ	31.7856, 31.0212, 96.4396
YIQ	140.6760, -77.3960, 14.9880

Conversions

Conversions Part 2

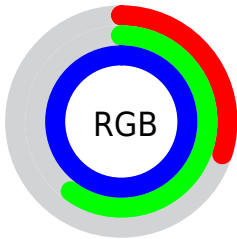
Format	Color
R_{YB}	76, 129, 252
Decimal	5019900
CIE _{Lab}	62.53, 8.58, -56.68
CIE _{LCh}	63, 57.329, 278.612
Yxy	31.0212, 0.1996, 0.1948
Android (android.graphics.Color)	4283209980 (0xFF4C98FC)
YUV	140.6760, 54.8827, -56.7209
Hunter-Lab	55.6967, 4.3991, -63.6738

Details

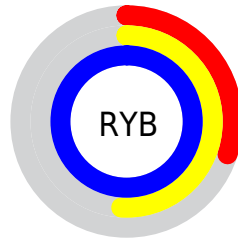
The Yxy color **31.0212, 0.1996, 0.1948** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **52.3080, 0.4625, 0.4244**, and the grayscale version is **26.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2023, 0.2432, 0.2703**, and **13.4429, 0.1792, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **25.8109, 0.1872, 0.1727**, and if you desaturate by 10%, it is **37.1994, 0.2141, 0.2172**.

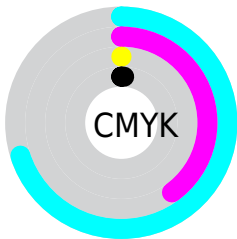
Distribution



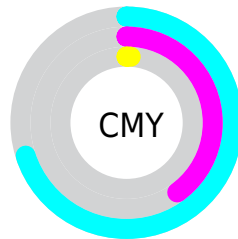
- Red (30%)
- Green (60%)
- Blue (99%)



- Red (30%)
- Yellow (51%)
- Blue (99%)



- Cyan (70%)
- Magenta (40%)
- Yellow (0%)
- Black (1%)




- Cyan (70%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0212, 0.1996, 0.1948 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 31.0212, 0.1996, 0.1948 by changing the saturation by 10% instead.


 31.0212, 0.1996,
0.1948


 31.0212, 0.1996,
0.1948


306.6360, 0.2562,
0.2602

 20.6150, 0.1862,
0.1797


 61.2734, 0.2198,
0.2178


 12.8429, 0.1695,
0.1613


 81.8883, 0.2275,
0.2266

 7.3204, 0.1487,
0.1387


 106.6748, 0.2341,
0.2343

 3.6633, 0.1223,
0.1107

 136.0173, 0.2397,
0.2409

 1.4871, 0.0894,
0.0768

170.3003, 0.2447,
0.2466

 0.2796, 0.0465,
0.0273

209.9082, 0.2490,

 0.0000, 0.0000,

0.2517

0.0000

255.2253, 0.2528,
0.2562

■ 31.0212, 0.1996,
0.1948

■ 31.0212, 0.1996,
0.1948

■ 25.8109, 0.1872,
0.1727

■ 37.1994, 0.2141,
0.2172

■ 21.4952, 0.1774,
0.1518

■ 44.4035, 0.2301,
0.2393

■ 17.9729, 0.1702,
0.1327

■ 52.6895, 0.2470,
0.2604

■ 17.9190, 0.1701,
0.1324

■ 62.1078, 0.2641,
0.2802

■ 72.7050, 0.2810,
0.2983

■ 84.5249, 0.2974,
0.3146

■ 97.6088, 0.3130,
0.3292

■ 99.8108, 0.3144,
0.3318

Harmonies

Analogous

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



31.0212, 0.1657, 0.2111



31.0212, 0.1996, 0.1948



31.0212, 0.2648, 0.2061

Triad

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



31.0212, 0.1996, 0.1948



31.0212, 0.4905, 0.3554



31.0212, 0.2551, 0.4492

Complementary

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



31.0212, 0.1996, 0.1948



52.3080, 0.4625, 0.4244

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.



31.0212, 0.3389, 0.4985



31.0212, 0.1996, 0.1948



31.0212, 0.4781, 0.4202

Square

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



31.0212, 0.1996, 0.1948



31.0212, 0.4439, 0.2935



31.0212, 0.4203, 0.4776



31.0212, 0.1919, 0.3499

Rectangle

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



31.0212, 0.1996, 0.1948



31.0212, 0.3235, 0.2270



31.0212, 0.4203, 0.4776



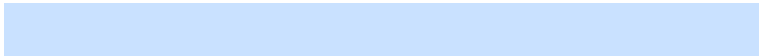
31.0212, 0.2819, 0.4738

Sweetspot

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



31.0222, 0.1996, 0.1948



73.3128, 0.2791, 0.2962



74.3087, 0.2640, 0.4300



15.0306, 0.2744, 0.2913



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.



31.0222, 0.1996, 0.1948



24.5282, 0.1828, 0.1637



14.2677, 0.1830, 0.1081



17.8750, 0.2979, 0.3152



9.6109, 0.1710, 0.1355



1.0962, 0.1774, 0.1586

Inverse Universe

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



28.1430, 0.4436, 0.2579



24.5322, 0.4852, 0.2572



88.7464, 0.3985, 0.4901



17.3496, 0.3226, 0.3188



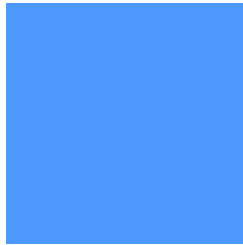
11.3811, 0.5251, 0.2667



1.0749, 0.4949, 0.2500

Previews

White Background



This preview shows how the Yxy color 31.0212, 0.1996, 0.1948 looks on a white background.

Color Contrast Check

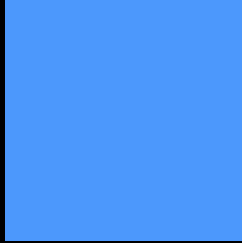
Large Text (above 18pt) WCAG AA × Fail

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 31.0212, 0.1996, 0.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

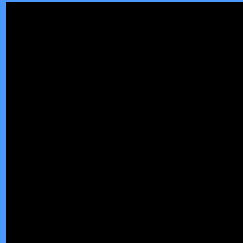
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

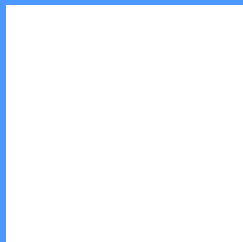
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0212, 0.1996, 0.1948

Background



This preview shows how black text looks on a background with the Yxy color 31.0212, 0.1996, 0.1948.



This preview shows how white text looks on a background with the Yxy color 31.0212, 0.1996, 0.1948.

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

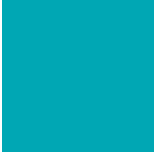
31.0212, 0.1996, 0.1948

Protanopia

30.8978, 0.2147, 0.1971

Deuteranopia

30.8670, 0.2007, 0.1939



Tritanopia

30.9327, 0.2184, 0.3063

Trichromacy



Original Color

31.0212, 0.1996, 0.1948

Protanomaly

30.9311, 0.2086, 0.1962

Deuteranomaly

30.8238, 0.2003, 0.1938

Tritanomaly

30.5438, 0.2078, 0.2587

Monochromacy



Original Color

31.0212, 0.1996, 0.1948

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3689, 0.2559, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0212, 0.1996, 0.1948 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(76, 152, 252)` looks like.

```
.text, #text, p{  
    color:rgb(76, 152, 252)  
}
```

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(76, 152, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 152, 252) }
```

Border

The CSS property to change the border of an element to Yxy 31.0212, 0.1996, 0.1948 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(76, 152, 252) }
```

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

```
.border{ border-color:rgb(76, 152, 252) }
```

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

Here you see how a box with a 4 pixel rgb(76, 152, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 152, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 152, 252);  
box-shadow:4px 4px 4px 4px rgb(76, 152,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0212, 0.1996, 0.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 152, 252) }
```

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

```
.background{ background-color: rgb(76, 152,  
252) }
```

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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