

Converting Colors

$Yxy(31.6517, 0.2102, 0.2029)$

Have a look what the booklet for
Yxy(31.6517, 0.2102, 0.2029)
contains.

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Color

Yxy(31.6517, 0.2102, 0.2029)

Conversions

Conversions Part 1

Format	Color
Hex	6198F6
RGB	97, 152, 246
RGB Percent	38%, 60%, 96%
CMY	0.6196, 0.4039, 0.0354
CMYK	0.61, 0.38, 0.00, 0.04
HSL	218°, 89%, 67%
HSV	218°, 61%, 96%
XYZ	32.7905, 31.6517, 91.5544
YIQ	146.2710, -62.9540, 17.5740

Conversions

Conversions Part 2

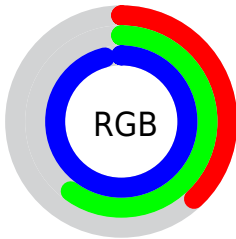
Format	Color
R_{YB}	97, 137, 246
Decimal	6396150
CIE Lab	63.05, 9.93, -52.47
CIE LCh	63, 53.402, 280.713
Yxy	31.6517, 0.2102, 0.2029
Android (android.graphics.Color)	4284586230 (0xFF6198F6)
YUV	146.2710, 49.1664, -43.2107
Hunter-Lab	56.2598, 5.5822, -57.1036

Details

The Yxy color **31.6517, 0.2102, 0.2029** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.7092, 0.4327, 0.4248**, and the grayscale version is **28.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6317, 0.2511, 0.2715**, and **13.2550, 0.1822, 0.1715** is the 20% darker color. If you saturate the color by 10%, you get **25.7922, 0.1950, 0.1783**, and if you desaturate by 10%, it is **38.5911, 0.2270, 0.2274**.

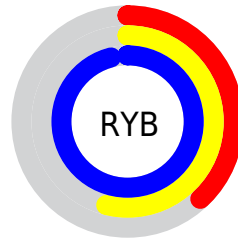
Distribution



Red (38%)

Green (60%)

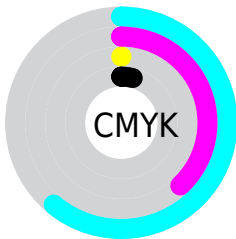
Blue (96%)



Red (38%)

Yellow (54%)

Blue (96%)

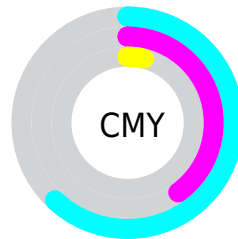


Cyan (61%)

Magenta (38%)

Yellow (0%)

Black (4%)



Cyan (62%)


Magenta (40%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6517, 0.2102, 0.2029 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 31.6517, 0.2102, 0.2029 by changing the saturation by 10% instead.


 31.6517, 0.2102,
0.2029


 31.6517, 0.2102,
0.2029


309.5296, 0.2619,
0.2646


 21.0956, 0.1977,
0.1885


 62.2647, 0.2288,
0.2247


 13.1939, 0.1821,
0.1708

 83.0903, 0.2359,
0.2331

 7.5622, 0.1622,
0.1487


 108.1080, 0.2419,
0.2403

 3.8161, 0.1366,
0.1210

 137.7020, 0.2470,
0.2465

 1.5712, 0.1035,
0.0866

172.2567, 0.2515,
0.2519

 0.3381, 0.0602,
0.0361

212.1567, 0.2554,

 0.0000, 0.0000,

0.2566

0.0000

257.7861, 0.2589,
0.2609

■ 31.6517, 0.2102,
0.2029

■ 31.6517, 0.2102,
0.2029

■ 25.7922, 0.1950,
0.1783

■ 38.5911, 0.2270,
0.2274

■ 20.9440, 0.1821,
0.1545

■ 46.6662, 0.2445,
0.2510

■ 17.0329, 0.1720,
0.1326

■ 55.9324, 0.2623,
0.2731

■ 14.1017, 0.1651,
0.1144

■ 66.4399, 0.2796,
0.2935

■ 78.2358, 0.2962,
0.3118

91.3649, 0.3119,
0.3281

99.4327, 0.3179,
0.3376

Harmonies

Analogous

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



31.6517, 0.1758, 0.2170



31.6517, 0.2102, 0.2029



31.6517, 0.2738, 0.2151

Triad

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



31.6517, 0.2102, 0.2029



31.6517, 0.4787, 0.3597



31.6517, 0.2549, 0.4336

Complementary

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



31.6517, 0.2102, 0.2029



57.7092, 0.4327, 0.4248

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.



31.6517, 0.3329, 0.4840



31.6517, 0.2102, 0.2029



31.6517, 0.4650, 0.4205

Square

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



31.6517, 0.2102, 0.2029



31.6517, 0.4388, 0.3004



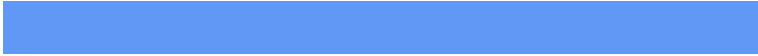
31.6517, 0.4097, 0.4710



31.6517, 0.1971, 0.3425

Rectangle

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



31.6517, 0.2102, 0.2029



31.6517, 0.3293, 0.2359



31.6517, 0.4097, 0.4710



31.6517, 0.2797, 0.4573

Sweetspot

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



31.6528, 0.2102, 0.2029



75.2067, 0.2839, 0.2983



72.1111, 0.2633, 0.4036



15.3332, 0.2790, 0.2927



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.



31.6528, 0.2102, 0.2029



26.5332, 0.1914, 0.1720



18.8079, 0.2051, 0.1383



16.9286, 0.2980, 0.3136



7.7733, 0.1660, 0.1174



0.8727, 0.1729, 0.1422

Inverse Universe

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



30.4082, 0.4304, 0.2730



27.3203, 0.4704, 0.2682



83.3561, 0.3856, 0.4777



16.5837, 0.3235, 0.3203



10.8841, 0.5504, 0.2805



0.9757, 0.5161, 0.2617

Previews

White Background



This preview shows how the Yxy color 31.6517, 0.2102, 0.2029 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 31.6517, 0.2102, 0.2029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

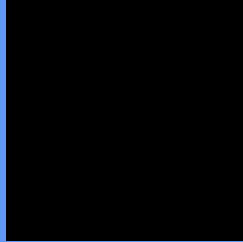
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

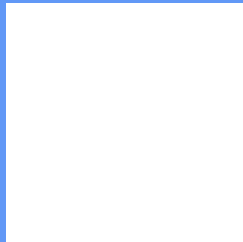
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6517, 0.2102, 0.2029

Background



This preview shows how black text looks on a background with the Yxy color 31.6517, 0.2102, 0.2029.



This preview shows how white text looks on a background with the Yxy color 31.6517, 0.2102, 0.2029.

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

31.6517, 0.2102, 0.2029

Protanopia

31.6790, 0.2203, 0.2045

Deuteranopia

31.5432, 0.2093, 0.2026



Tritanopia

31.6854, 0.2327, 0.3070

Trichromacy



Original Color

31.6517, 0.2102, 0.2029

Protanomaly

31.5956, 0.2163, 0.2038

Deuteranomaly

31.5971, 0.2097, 0.2027

Tritanomaly

31.3793, 0.2232, 0.2634

Monochromacy



Original Color

31.6517, 0.2102, 0.2029

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1464, 0.2648, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6517, 0.2102, 0.2029 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(97, 152, 246)` looks like.

```
.text, #text, p{  
    color:rgb(97, 152, 246)  
}
```

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(97, 152, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 152, 246) }
```

Border

The CSS property to change the border of an element to Yxy 31.6517, 0.2102, 0.2029 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(97, 152, 246) }
```

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

```
.border{ border-color:rgb(97, 152, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 152, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 152, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 152, 246);  
box-shadow:4px 4px 4px 4px rgb(97, 152,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6517, 0.2102, 0.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 152, 246) }
```

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

```
.background{ background-color: rgb(97, 152,  
246) }
```

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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