

Converting Colors

$Y_{xy}(30.8492, 0.1996, 0.1928)$

Have a look what the booklet for
Yxy(30.8492, 0.1996, 0.1928)
contains.

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Color

Yxy(30.8448, 0.1996, 0.1928)

Conversions

Conversions Part 1

Format	Color
Hex	4E97FD
RGB	78, 151, 253
RGB Percent	31%, 59%, 99%
CMY	0.6945, 0.4078, 0.0078
CMYK	0.69, 0.40, 0.00, 0.01
HSL	215°, 98%, 65%
HSV	215°, 69%, 99%
XYZ	31.9327, 30.8448, 97.2059
YIQ	140.8010, -76.2500, 16.2460

Conversions

Conversions Part 2

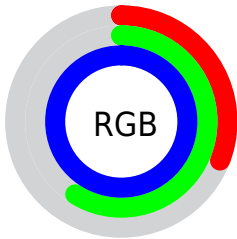
Format	Color
R _Y B	78, 130, 253
Decimal	5150717
CIE Lab	62.38, 9.76, -57.45
CIE LCh	62, 58.270, 279.644
Yxy	30.8448, 0.1996, 0.1928
Android (android.graphics.Color)	4283340797 (0xFF4E97FD)
YUV	140.8010, 55.3141, -55.0765
Hunter-Lab	55.5381, 5.4403, -64.8960

Details

The Yxy color **30.8448, 0.1996, 0.1928** 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 **54.0350, 0.4590, 0.4262**, and the grayscale version is **26.3480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8119, 0.2435, 0.2692**, and **13.2929, 0.1784, 0.1622** is the 20% darker color. If you saturate the color by 10%, you get **25.5249, 0.1869, 0.1702**, and if you desaturate by 10%, it is **37.1702, 0.2144, 0.2158**.

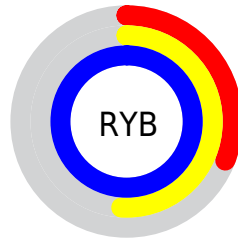
Distribution



Red (31%)

Green (59%)

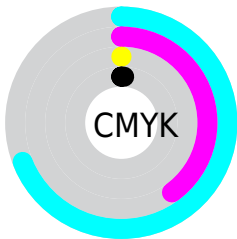
Blue (99%)



Red (31%)

Yellow (51%)

Blue (99%)

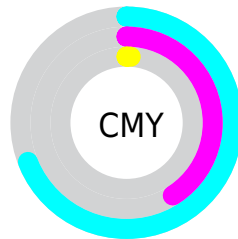


Cyan (69%)

Magenta (40%)

Yellow (0%)

Black (1%)



Cyan (69%)


Magenta (41%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8448, 0.1996, 0.1928 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 30.8448, 0.1996, 0.1928 by changing the saturation by 10% instead.


 30.8448, 0.1996,
0.1928


 30.8448, 0.1996,
0.1928


305.8227, 0.2562,
0.2590

 20.4807, 0.1862,
0.1776


 60.9956, 0.2198,
0.2160

 12.7449, 0.1695,
0.1591


 81.5512, 0.2275,
0.2250

 7.2531, 0.1487,
0.1363


 106.2726, 0.2341,
0.2327

 3.6209, 0.1223,
0.1084

 135.5444, 0.2398,
0.2394

 1.4639, 0.0894,
0.0747

169.7509, 0.2447,
0.2452

 0.2631, 0.0470,
0.0253

209.2765, 0.2490,

 0.0000, 0.0000,

0.2504

0.0000

254.5057, 0.2529,
0.2549

■ 30.8448, 0.1996,
0.1928

■ 30.8448, 0.1996,
0.1928

■ 25.5249, 0.1869,
0.1702

■ 37.1702, 0.2144,
0.2158

■ 21.1358, 0.1768,
0.1489

■ 44.5611, 0.2307,
0.2384

■ 17.5795, 0.1695,
0.1296

■ 53.0750, 0.2478,
0.2599

■ 17.3256, 0.1689,
0.1281

■ 62.7640, 0.2650,
0.2801

■ 73.6762, 0.2820,
0.2986

■ 85.8570, 0.2984,
0.3152

99.3471, 0.3139,
0.3301

99.8724, 0.3139,
0.3309

Harmonies

Analogous

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



30.8448, 0.1643, 0.2081



30.8448, 0.1996, 0.1928



30.8448, 0.2668, 0.2052

Triad

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



30.8448, 0.1996, 0.1928



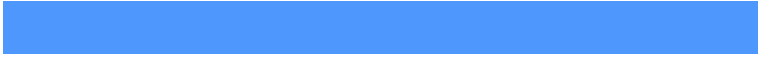
30.8448, 0.4941, 0.3576



30.8448, 0.2512, 0.4487

Complementary

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



30.8448, 0.1996, 0.1928



54.0350, 0.4590, 0.4262

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.



30.8448, 0.3359, 0.5014



30.8448, 0.1996, 0.1928



30.8448, 0.4792, 0.4233

Square

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



30.8448, 0.1996, 0.1928



30.8448, 0.4488, 0.2948



30.8448, 0.4190, 0.4814



30.8448, 0.1883, 0.3465

Rectangle

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



30.8448, 0.1996, 0.1928



30.8448, 0.3269, 0.2268



30.8448, 0.4190, 0.4814



30.8448, 0.2782, 0.4746

Sweetspot

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



30.8458, 0.1996, 0.1928



72.9082, 0.2790, 0.2954



75.0514, 0.2641, 0.4289



14.9350, 0.2743, 0.2904



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.



30.8458, 0.1996, 0.1928



24.1673, 0.1827, 0.1619



14.6802, 0.1841, 0.1097



18.6239, 0.2979, 0.3148



9.4881, 0.1698, 0.1311



1.1337, 0.1759, 0.1532

Inverse Universe

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



28.5544, 0.4454, 0.2605



24.6715, 0.4870, 0.2597



89.5647, 0.3981, 0.4892



18.1129, 0.3228, 0.3191



11.6858, 0.5312, 0.2700



1.1590, 0.5017, 0.2538

Previews

White Background



This preview shows how the Yxy color 30.8448, 0.1996, 0.1928 looks on a white background.

Color Contrast Check

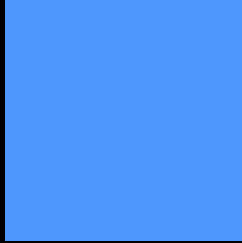
Large Text (above 18pt) WCAG AA × Fail

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 30.8448, 0.1996, 0.1928 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

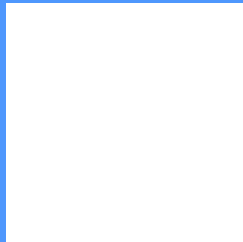
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8448, 0.1996, 0.1928

Background



This preview shows how black text looks on a background with the Yxy color 30.8448, 0.1996, 0.1928.



This preview shows how white text looks on a background with the Yxy color 30.8448, 0.1996, 0.1928.

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

30.8448, 0.1996, 0.1928

Protanopia

30.5855, 0.2125, 0.1937

Deuteranopia

30.8028, 0.1993, 0.1927



Tritanopia

30.5677, 0.2179, 0.3046

Trichromacy



Original Color

30.8448, 0.1996, 0.1928

Protanomaly

30.6233, 0.2074, 0.1938

Deuteranomaly

30.8028, 0.1993, 0.1927

Tritanomaly

30.2416, 0.2070, 0.2556

Monochromacy



Original Color

30.8448, 0.1996, 0.1928

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4797, 0.2560, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8448, 0.1996, 0.1928 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(78, 151, 253)` looks like.

```
.text, #text, p{  
  color:rgb(78, 151, 253)  
}
```

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(78, 151, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 151, 253) }
```

Border

The CSS property to change the border of an element to Yxy 30.8448, 0.1996, 0.1928 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(78, 151, 253) }
```

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

```
.border{ border-color:rgb(78, 151, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 151, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 151, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 151, 253);  
box-shadow:4px 4px 4px 4px rgb(78, 151,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8448, 0.1996, 0.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 151, 253) }
```

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

```
.background{ background-color: rgb(78, 151,  
253) }
```

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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