

Converting Colors

$Y_{xy}(29.9696, 0.1890, 0.1900)$

Have a look what the booklet for
Yxy(29.9696, 0.1890, 0.1900)
contains.

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Color

Yxy(29.9696, 0.1890, 0.1900)

Conversions

Conversions Part 1

Format	Color
Hex	2398FE
RGB	35, 152, 254
RGB Percent	14%, 60%, 100%
CMY	0.8619, 0.4039, 0.0040
CMYK	0.86, 0.40, 0.00, 0.00
HSL	208°, 99%, 57%
HSV	208°, 86%, 100%
XYZ	29.8119, 29.9696, 97.9533
YIQ	128.6450, -102.4740, 6.9180

Conversions

Conversions Part 2

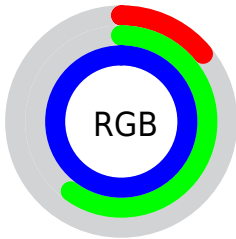
Format	Color
R _Y B	35, 111, 254
Decimal	2332926
CIE Lab	61.63, 5.12, -59.23
CIE LCh	62, 59.450, 274.937
Yxy	29.9696, 0.1890, 0.1900
Android (android.graphics.Color)	4280523006 (0xFF2398FE)
YUV	128.6450, 61.8000, -82.1267
Hunter-Lab	54.7445, 1.4017, -67.7653

Details

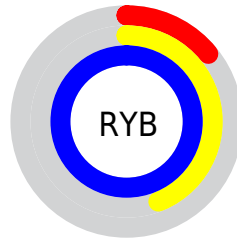
The Yxy color **29.9696, 0.1890, 0.1900** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **39.1364, 0.5234, 0.4085**, and the grayscale version is **21.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3557, 0.2324, 0.2687**, and **13.5340, 0.1786, 0.1630** is the 20% darker color. If you saturate the color by 10%, you get **26.0193, 0.1818, 0.1726**, and if you desaturate by 10%, it is **34.6264, 0.1986, 0.2082**.

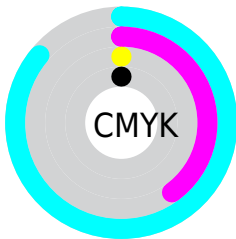
Distribution



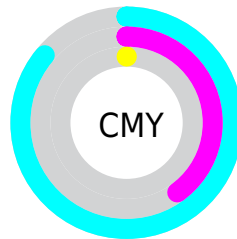
- Red (14%)
- Green (60%)
- Blue (100%)



- Red (14%)
- Yellow (44%)
- Blue (100%)



- Cyan (86%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9696, 0.1890, 0.1900 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 29.9696, 0.1890, 0.1900 by changing the saturation by 10% instead.


 29.9696, 0.1890,
0.1900


 29.9696, 0.1890,
0.1900


301.7627, 0.2505,
0.2580


 19.8155, 0.1746,
0.1744


 59.6141, 0.2108,
0.2139


 12.2610, 0.1569,
0.1553


 79.8733, 0.2192,
0.2231


 6.9217, 0.1351,
0.1320


 104.2697, 0.2263,
0.2311

 3.4132, 0.1079,
0.1035

 133.1876, 0.2325,
0.2379

 1.3511, 0.0750,
0.0696

 167.0115, 0.2379,
0.2439

 0.1802, 0.0288,
0.0175

206.1257, 0.2426,

 0.0000, 0.0000,

0.2492

0.0000

250.9146, 0.2468,
0.2539

■ 29.9696, 0.1890,
0.1900

■ 29.9696, 0.1890,
0.1900

■ 26.0193, 0.1818,
0.1726

■ 34.6264, 0.1986,
0.2082

■ 24.6424, 0.1795,
0.1661

■ 40.0569, 0.2104,
0.2266

■ 46.3203, 0.2240,
0.2449

■ 53.4670, 0.2390,
0.2626

■ 61.5427, 0.2549,
0.2793

■ 70.5892, 0.2711,
0.2948

■ 80.6453, 0.2874,
0.3090

■ 91.7472, 0.3032,
0.3218

■ 99.9338, 0.3133,
0.3300

Harmonies

Analogous

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



29.9696, 0.1581, 0.2103



29.9696, 0.1890, 0.1900



29.9696, 0.2525, 0.1986

Triad

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



29.9696, 0.1890, 0.1900



29.9696, 0.4962, 0.3472



29.9696, 0.2619, 0.4664

Complementary

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



29.9696, 0.1890, 0.1900



39.1364, 0.5234, 0.4085

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.



29.9696, 0.3499, 0.5079



29.9696, 0.1890, 0.1900



29.9696, 0.4895, 0.4142

Square

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



29.9696, 0.1890, 0.1900



29.9696, 0.4405, 0.2842



29.9696, 0.4330, 0.4771



29.9696, 0.1928, 0.3639

Rectangle

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



29.9696, 0.1890, 0.1900



29.9696, 0.3118, 0.2183



29.9696, 0.4330, 0.4771



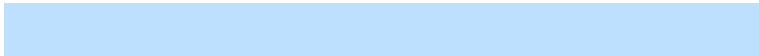
29.9696, 0.2903, 0.4895

Sweetspot

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



29.9705, 0.1890, 0.1900



71.3614, 0.2713, 0.2950



72.9375, 0.2736, 0.4937



14.5720, 0.2657, 0.2897



0.0000, 0.0000, 0.0000



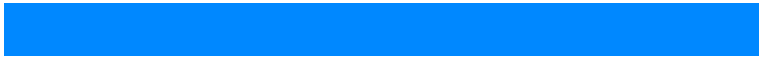
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9705, 0.1890, 0.1900



24.8633, 0.1795, 0.1661



9.4821, 0.1583, 0.0767



18.9836, 0.2979, 0.3176



13.2936, 0.1802, 0.1688



1.5132, 0.1857, 0.1884

Inverse Universe

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



24.5475, 0.4548, 0.2368



23.0411, 0.4855, 0.2448



85.3085, 0.4239, 0.4938



18.1492, 0.3210, 0.3164



12.0700, 0.4821, 0.2429



1.1973, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 29.9696, 0.1890, 0.1900 looks on a white background.

Color Contrast Check

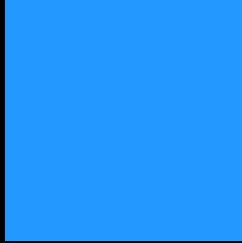
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9696, 0.1890, 0.1900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

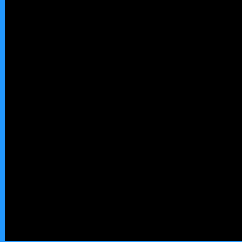
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

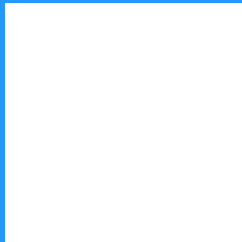
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9696, 0.1890, 0.1900

Background



This preview shows how black text looks on a background with the Yxy color 29.9696, 0.1890, 0.1900.



This preview shows how white text looks on a background with the Yxy color 29.9696, 0.1890, 0.1900.

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

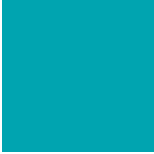
29.9696, 0.1890, 0.1900

Protanopia

29.6652, 0.2113, 0.1923

Deuteranopia

29.8387, 0.1942, 0.1870



Tritanopia

29.6855, 0.2188, 0.3077

Trichromacy



Original Color

29.9696, 0.1890, 0.1900

Protanomaly

29.4750, 0.2000, 0.1902

Deuteranomaly

29.8170, 0.1916, 0.1875

Tritanomaly

29.5868, 0.2059, 0.2577

Monochromacy



Original Color

29.9696, 0.1890, 0.1900

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.3802, 0.2418, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9696, 0.1890, 0.1900 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(35, 152, 254)` looks like.

```
.text, #text, p{  
    color:rgb(35, 152, 254)  
}
```

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(35, 152, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 152, 254) }
```

Border

The CSS property to change the border of an element to Yxy 29.9696, 0.1890, 0.1900 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(35, 152, 254) }
```

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

```
.border{ border-color:rgb(35, 152, 254) }
```

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

Here you see how a box with a 4 pixel rgb(35, 152, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 152, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 152, 254);  
box-shadow:4px 4px 4px 4px rgb(35, 152,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9696, 0.1890, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 152, 254) }
```

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

```
.background{ background-color: rgb(35, 152,  
254) }
```

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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