

Converting Colors

$Y_{xy}(29.1284, 0.1935, 0.1854)$

Have a look what the booklet for
Yxy(29.1284, 0.1935, 0.1854)
contains.

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Color

Yxy(29.1132, 0.1935, 0.1850)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 4093FE |
| RGB | 64, 147, 254 |
| RGB Percent | 25%, 58%, 100% |
| CMY | 0.7482, 0.4236, 0.0038 |
| CMYK | 0.75, 0.42, 0.00, 0.00 |
| HSL | 214°, 99%, 62% |
| HSV | 214°, 75%, 100% |
| XYZ | 30.4508, 29.1132, 97.8046 |
| YIQ | 134.3810, -83.8150, 15.6810 |

Conversions

Conversions Part 2

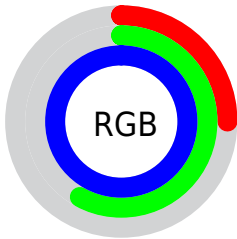
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 64, 122, 254 |
| Decimal | 4232190 |
| CIE Lab | 60.88, 10.74, -60.42 |
| CIE LCh | 61, 61.367, 280.083 |
| Yxy | 29.1132, 0.1935, 0.1850 |
| Android (android.graphics.Color) | 4282422270 (0xFF4093FE) |
| YUV | 134.3810, 58.9722, -61.7241 |
| Hunter-Lab | 53.9566, 6.3137, -69.7025 |

Details

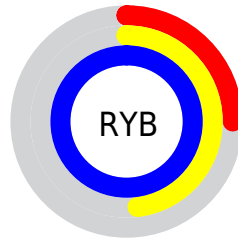
The Yxy color **29.1132, 0.1935, 0.1850** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **50.6770, 0.4750, 0.4266**, and the grayscale version is **23.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6794, 0.2378, 0.2621**, and **12.5806, 0.1763, 0.1545** is the 20% darker color. If you saturate the color by 10%, you get **24.2637, 0.1824, 0.1635**, and if you desaturate by 10%, it is **34.9072, 0.2070, 0.2072**.

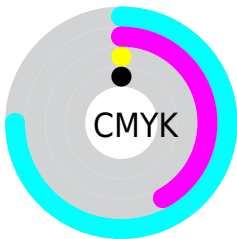
Distribution



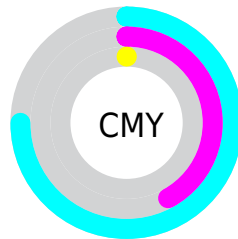
- Red (25%)
- Green (58%)
- Blue (100%)



- Red (25%)
- Yellow (48%)
- Blue (100%)



- Cyan (75%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1132, 0.1935, 0.1850 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 29.1132, 0.1935, 0.1850 by changing the saturation by 10% instead.


 29.1132, 0.1935,
0.1850


 29.1132, 0.1935,
0.1850


297.7487, 0.2533,
0.2549


 19.1665, 0.1793,
0.1691


 58.2569, 0.2148,
0.2094


 11.7906, 0.1619,
0.1498


 78.2226, 0.2230,
0.2189

 6.6013, 0.1402,
0.1263


 102.2969, 0.2299,
0.2271

 3.2140, 0.1130,
0.0977

 130.8639, 0.2359,
0.2342

 1.2445, 0.0797,
0.0643

164.3083, 0.2411,
0.2403

 0.0976, 0.0347,
0.0095

203.0142, 0.2457,

 0.0000, 0.0000,

0.2458

0.0000

247.3662, 0.2497,
0.2506

■ 29.1132, 0.1935,
0.1850

■ 29.1132, 0.1935,
0.1850

■ 24.2637, 0.1824,
0.1635

■ 34.9072, 0.2070,
0.2072

■ 20.2785, 0.1740,
0.1435

■ 41.7089, 0.2223,
0.2294

■ 18.4736, 0.1705,
0.1337

■ 49.5776, 0.2387,
0.2509

■ 58.5661, 0.2558,
0.2711

■ 68.7235, 0.2728,
0.2899

■ 80.0954, 0.2895,
0.3070

■ 92.7245, 0.3055,
0.3224

■ 99.9377, 0.3133,
0.3299

Harmonies

Analogous

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



29.1132, 0.1563, 0.2000



29.1132, 0.1935, 0.1850



29.1132, 0.2646, 0.1985

Triad

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



29.1132, 0.1935, 0.1850



29.1132, 0.5068, 0.3583



29.1132, 0.2449, 0.4574

Complementary

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



29.1132, 0.1935, 0.1850



50.6770, 0.4750, 0.4266

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.



29.1132, 0.3343, 0.5148



29.1132, 0.1935, 0.1850



29.1132, 0.4884, 0.4277

Square

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



29.1132, 0.1935, 0.1850



29.1132, 0.4599, 0.2928



29.1132, 0.4228, 0.4910



29.1132, 0.1795, 0.3454

Rectangle

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



29.1132, 0.1935, 0.1850



29.1132, 0.3289, 0.2214



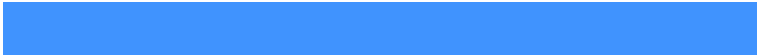
29.1132, 0.4228, 0.4910



29.1132, 0.2733, 0.4860

Sweetspot

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



29.1141, 0.1935, 0.1850



72.3162, 0.2774, 0.2947



74.8496, 0.2645, 0.4429



14.8390, 0.2728, 0.2899



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.



29.1141, 0.1935, 0.1850



22.2430, 0.1776, 0.1527



12.2928, 0.1736, 0.0947



18.6807, 0.2979, 0.3152



10.0182, 0.1713, 0.1367



1.1881, 0.1774, 0.1586

Inverse Universe

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



26.8732, 0.4566, 0.2556



23.4719, 0.5007, 0.2592



90.6047, 0.4038, 0.4952



18.1186, 0.3225, 0.3187



11.7393, 0.5235, 0.2658



1.1645, 0.4948, 0.2500

Previews

White Background



This preview shows how the Yxy color 29.1132, 0.1935, 0.1850 looks on a white background.

Color Contrast Check

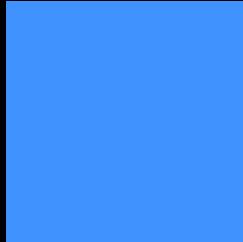
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1132, 0.1935, 0.1850 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

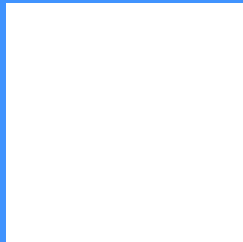
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1132, 0.1935, 0.1850

Background



This preview shows how black text looks on a background with the Yxy color 29.1132, 0.1935, 0.1850.



This preview shows how white text looks on a background with the Yxy color 29.1132, 0.1935, 0.1850.

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

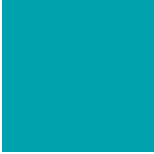
29.1132, 0.1935, 0.1850

Protanopia

28.9008, 0.2065, 0.1861

Deuteranopia

29.2351, 0.1922, 0.1859



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

29.1132, 0.1935, 0.1850

Protanomaly

28.8900, 0.2010, 0.1860

Deuteranomaly

29.2962, 0.1927, 0.1861

Tritanomaly

28.6079, 0.2060, 0.2541

Monochromacy



Original Color

29.1132, 0.1935, 0.1850

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9308, 0.2503, 0.2647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1132, 0.1935, 0.1850 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(64, 147, 254)` looks like.

```
.text, #text, p{  
  color:rgb(64, 147, 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(64, 147, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 147, 254) }
```

Border

The CSS property to change the border of an element to Yxy 29.1132, 0.1935, 0.1850 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(64, 147, 254) }
```

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

```
.border{ border-color:rgb(64, 147, 254) }
```

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

Here you see how a box with a 4 pixel rgb(64, 147, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 147, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 147, 254);  
box-shadow:4px 4px 4px 4px rgb(64, 147,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1132, 0.1935, 0.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 147, 254) }
```

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

```
.background{ background-color: rgb(64, 147,  
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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