

Converting Colors

$Y_{xy}(29.0832, 0.1950, 0.1834)$

Have a look what the booklet for
Yxy(29.0832, 0.1950, 0.1834)
contains.

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Color

Yxy(29.1174, 0.1950, 0.1835)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 4792FF |
| RGB | 71, 146, 255 |
| RGB Percent | 28%, 57%, 100% |
| CMY | 0.7207, 0.4276, 0.0000 |
| CMYK | 0.72, 0.43, 0.00, 0.00 |
| HSL | 216°, 100%, 64% |
| HSV | 216°, 72%, 100% |
| XYZ | 30.9422, 29.1174, 98.6183 |
| YIQ | 136.0010, -79.6890, 17.9990 |

Conversions

Conversions Part 2

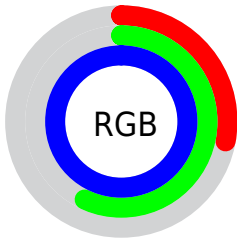
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 71, 124, 255 |
| Decimal | 4690687 |
| CIE Lab | 60.89, 12.56, -60.95 |
| CIE LCh | 61, 62.227, 281.643 |
| Yxy | 29.1174, 0.1950, 0.1835 |
| Android (android.graphics.Color) | 4282880767 (0xFF4792FF) |
| YUV | 136.0010, 58.6665, -57.0059 |
| Hunter-Lab | 53.9605, 7.9250, -70.5861 |

Details

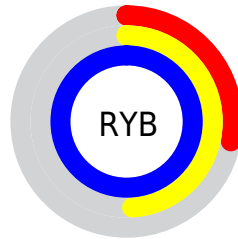
The Yxy color **29.1174, 0.1950, 0.1835** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **54.4629, 0.4640, 0.4301**, and the grayscale version is **24.4392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6423, 0.2401, 0.2613**, and **12.4430, 0.1756, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **23.9845, 0.1829, 0.1609**, and if you desaturate by 10%, it is **35.2705, 0.2094, 0.2068**.

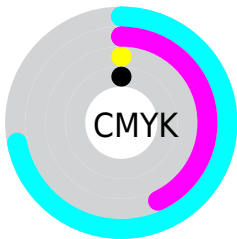
Distribution



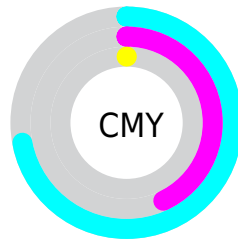
- Red (28%)
- Green (57%)
- Blue (100%)



- Red (28%)
- Yellow (49%)
- Blue (100%)



- Cyan (72%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1174, 0.1950, 0.1835 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 29.1174, 0.1950, 0.1835 by changing the saturation by 10% instead.

 29.1174, 0.1950,
0.1835


 29.1174, 0.1950,
0.1835


297.7685, 0.2542,
0.2539


 19.1697, 0.1810,
0.1675


 58.2636, 0.2161,
0.2080

 11.7929, 0.1637,
0.1482


 78.2308, 0.2242,
0.2176

 6.6028, 0.1421,
0.1248


 102.3066, 0.2311,
0.2258

 3.2150, 0.1151,
0.0964

 130.8754, 0.2370,
0.2329

 1.2450, 0.0819,
0.0633

164.3216, 0.2421,
0.2392

 0.0980, 0.0383,
0.0094

203.0296, 0.2466,

 0.0000, 0.0000,

0.2447

0.0000

247.3837, 0.2506,
0.2495

■ 29.1174, 0.1950,
0.1835

■ 29.1174, 0.1950,
0.1835

■ 23.9845, 0.1829,
0.1609

■ 35.2705, 0.2094,
0.2068

■ 19.7958, 0.1736,
0.1399

■ 42.5138, 0.2255,
0.2300

■ 17.0633, 0.1680,
0.1248

■ 50.9071, 0.2426,
0.2524

■ 60.5059, 0.2599,
0.2734

■ 71.3615, 0.2771,
0.2928

■ 83.5218, 0.2938,
0.3103

■ 97.0321, 0.3096,
0.3260

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.1174, 0.1558, 0.1968



29.1174, 0.1950, 0.1835



29.1174, 0.2686, 0.1986

Triad

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



29.1174, 0.1950, 0.1835



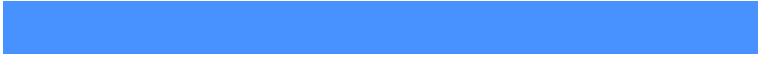
29.1174, 0.5099, 0.3618



29.1174, 0.2396, 0.4543

Complementary

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



29.1174, 0.1950, 0.1835



54.4629, 0.4640, 0.4301

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.



29.1174, 0.3293, 0.5168



29.1174, 0.1950, 0.1835



29.1174, 0.4878, 0.4320

Square

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



29.1174, 0.1950, 0.1835



29.1174, 0.4659, 0.2954



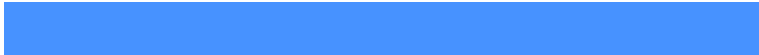
29.1174, 0.4194, 0.4955



29.1174, 0.1754, 0.3395

Rectangle

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



29.1174, 0.1950, 0.1835



29.1174, 0.3345, 0.2225



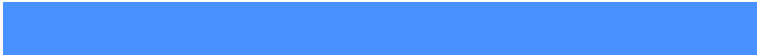
29.1174, 0.4194, 0.4955



29.1174, 0.2679, 0.4846

Sweetspot

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



29.1166, 0.1950, 0.1835



71.4409, 0.2773, 0.2929



76.0996, 0.2622, 0.4296



14.6335, 0.2726, 0.2878



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.



29.1166, 0.1950, 0.1835



22.2302, 0.1789, 0.1524



13.7591, 0.1807, 0.1027



18.5908, 0.2979, 0.3145



9.1910, 0.1689, 0.1278



1.1030, 0.1750, 0.1501

Inverse Universe

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



27.8694, 0.4570, 0.2615



23.9816, 0.4999, 0.2632



90.4481, 0.3979, 0.4948



18.1095, 0.3230, 0.3194



11.6558, 0.5357, 0.2724



1.1559, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 29.1174, 0.1950, 0.1835 looks on a white background.

Color Contrast Check

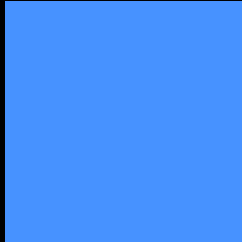
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1174, 0.1950, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

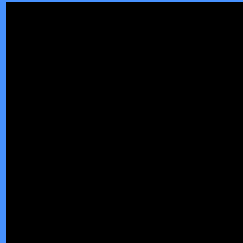
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

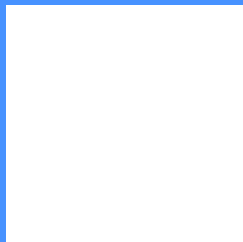
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1174, 0.1950, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 29.1174, 0.1950, 0.1835.



This preview shows how white text looks on a background with the Yxy color 29.1174, 0.1950, 0.1835.

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

29.1174, 0.1950, 0.1835

Protanopia

28.9077, 0.2057, 0.1851

Deuteranopia

29.2406, 0.1914, 0.1849



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

29.1174, 0.1950, 0.1835

Protanomaly

28.7479, 0.2012, 0.1841

Deuteranomaly

29.1116, 0.1926, 0.1840

Tritanomaly

28.3562, 0.2055, 0.2511

Monochromacy



Original Color

29.1174, 0.1950, 0.1835

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4556, 0.2522, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1174, 0.1950, 0.1835 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(71, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 146, 255)  
}
```

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(71, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.1174, 0.1950, 0.1835 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(71, 146, 255) }
```

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

```
.border{ border-color:rgb(71, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1174, 0.1950, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 146, 255) }
```

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

```
.background{ background-color: rgb(71, 146,  
255) }
```

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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