

Converting Colors

$Y_{xy}(28.1876, 0.1891, 0.1804)$

Have a look what the booklet for
Yxy(28.1876, 0.1891, 0.1804)
contains.

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Color

Yxy(28.1746, 0.1891, 0.1804)

Conversions

Conversions Part 1

Format	Color
Hex	3391FF
RGB	51, 145, 255
RGB Percent	20%, 57%, 100%
CMY	0.8004, 0.4313, 0.0001
CMYK	0.80, 0.43, 0.00, 0.00
HSL	212°, 100%, 60%
HSV	212°, 80%, 100%
XYZ	29.5334, 28.1746, 98.4705
YIQ	129.4340, -91.3340, 14.2820

Conversions

Conversions Part 2

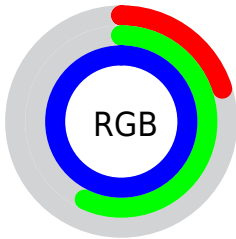
Format	Color
R _Y B	51, 115, 255
Decimal	3379711
CIE Lab	60.05, 10.87, -62.30
CIE LCh	60, 63.238, 279.901
Yxy	28.1746, 0.1891, 0.1804
Android (android.graphics.Color)	4281569791 (0xFF3391FF)
YUV	129.4340, 61.9040, -68.7866
Hunter-Lab	53.0798, 6.4271, -72.8356

Details

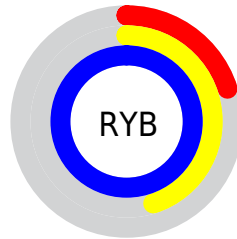
The Yxy color **28.1746, 0.1891, 0.1804** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **46.9361, 0.4924, 0.4237**, and the grayscale version is **21.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1974, 0.2339, 0.2590**, and **12.2156, 0.1753, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.7375, 0.1797, 0.1603**, and if you desaturate by 10%, it is **33.4835, 0.2011, 0.2015**.

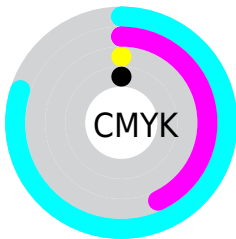
Distribution



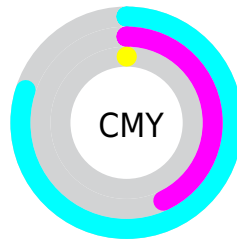
- Red (20%)
- Green (57%)
- Blue (100%)



- Red (20%)
- Yellow (45%)
- Blue (100%)



- Cyan (80%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1746, 0.1891, 0.1804 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 28.1746, 0.1891, 0.1804 by changing the saturation by 10% instead.


 28.1746, 0.1891,
0.1804


 28.1746, 0.1891,
0.1804


293.3003, 0.2511,
0.2525


 18.4573, 0.1745,
0.1641


 56.7631, 0.2112,
0.2055

 11.2788, 0.1565,
0.1443


 76.4031, 0.2196,
0.2153

 6.2547, 0.1343,
0.1204


 100.1194, 0.2268,
0.2238

 3.0006, 0.1068,
0.0917

 128.2965, 0.2331,
0.2311

 1.1320, 0.0735,
0.0586

161.3187, 0.2385,
0.2374

 0.0051, 0.0265,
0.0005

199.5705, 0.2432,

 0.0000, 0.0000,

0.2431

0.0000

243.4362, 0.2474,
0.2481

■ 28.1746, 0.1891,
0.1804

■ 28.1746, 0.1891,
0.1804

■ 23.7375, 0.1797,
0.1603

■ 33.4835, 0.2011,
0.2015

■ 20.0789, 0.1727,
0.1417

■ 39.7306, 0.2151,
0.2228

■ 46.9769, 0.2307,
0.2437

■ 55.2758, 0.2472,
0.2637

■ 64.6765, 0.2640,
0.2824

■ 75.2245, 0.2808,
0.2995

■ 86.9623, 0.2971,
0.3151

99.9302, 0.3127,
0.3290

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



28.1746, 0.1513, 0.1956



28.1746, 0.1891, 0.1804



28.1746, 0.2620, 0.1942

Triad

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



28.1746, 0.1891, 0.1804



28.1746, 0.5142, 0.3576



28.1746, 0.2423, 0.4643

Complementary

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



28.1746, 0.1891, 0.1804



46.9361, 0.4924, 0.4237

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.



28.1746, 0.3345, 0.5231



28.1746, 0.1891, 0.1804



28.1746, 0.4944, 0.4291

Square

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



28.1746, 0.1891, 0.1804



28.1746, 0.4654, 0.2906



28.1746, 0.4260, 0.4959



28.1746, 0.1749, 0.3463

Rectangle

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



28.1746, 0.1891, 0.1804



28.1746, 0.3286, 0.2176



28.1746, 0.4260, 0.4959



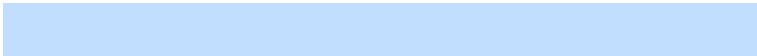
28.1746, 0.2715, 0.4941

Sweetspot

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



28.1754, 0.1891, 0.1804



70.9180, 0.2742, 0.2929



74.7365, 0.2657, 0.4572



14.3815, 0.2682, 0.2868



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.



28.1754, 0.1891, 0.1804



21.4753, 0.1753, 0.1490



10.4683, 0.1651, 0.0825



18.7583, 0.2979, 0.3159



10.7848, 0.1735, 0.1447



1.2658, 0.1795, 0.1661

Inverse Universe

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



25.6597, 0.4640, 0.2505



22.9139, 0.5067, 0.2584



91.7330, 0.4089, 0.4993



18.1265, 0.3221, 0.3181



11.8167, 0.5129, 0.2599



1.1723, 0.4854, 0.2448

Previews

White Background



This preview shows how the Yxy color 28.1746, 0.1891, 0.1804 looks on a white background.

Color Contrast Check

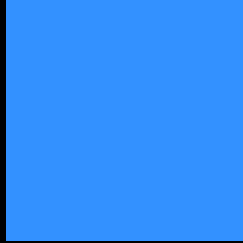
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1746, 0.1891, 0.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

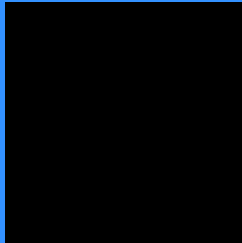
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

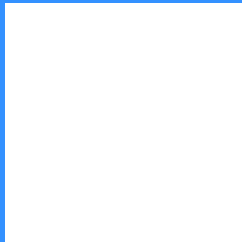
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1746, 0.1891, 0.1804

Background



This preview shows how black text looks on a background with the Yxy color 28.1746, 0.1891, 0.1804.



This preview shows how white text looks on a background with the Yxy color 28.1746, 0.1891, 0.1804.

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

28.1746, 0.1891, 0.1804

Protanopia

28.0380, 0.2036, 0.1827

Deuteranopia

28.2492, 0.1874, 0.1811



Tritanopia

28.0819, 0.2192, 0.3089

Trichromacy



Original Color

28.1746, 0.1891, 0.1804

Protanomaly

27.9940, 0.1970, 0.1815

Deuteranomaly

28.3357, 0.1882, 0.1813

Tritanomaly

27.8454, 0.2049, 0.2519

Monochromacy



Original Color

28.1746, 0.1891, 0.1804

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.1898, 0.2450, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1746, 0.1891, 0.1804 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(51, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 145, 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(51, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.1746, 0.1891, 0.1804 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(51, 145, 255) }
```

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

```
.border{ border-color:rgb(51, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1746, 0.1891, 0.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 145, 255) }
```

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

```
.background{ background-color: rgb(51, 145,  
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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