

Converting Colors

$Yxy(27.8235, 0.1841, 0.1798)$

Have a look what the booklet for
Yxy(27.8235, 0.1841, 0.1798)
contains.

Yxy(27.8793, 0.1842, 0.1800)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8793, 0.1842, 0.1800)

Conversions

Conversions Part 1

Format	Color
Hex	0F92FF
RGB	15, 146, 255
RGB Percent	6%, 57%, 100%
CMY	0.9392, 0.4275, 0.0000
CMYK	0.94, 0.43, 0.00, 0.00
HSL	207°, 100%, 53%
HSV	207°, 94%, 100%
XYZ	28.5298, 27.8793, 98.4759
YIQ	119.2570, -113.0650, 6.1270

Conversions

Conversions Part 2

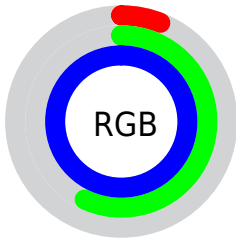
Format	Color
R _Y B	15, 100, 255
Decimal	1020671
CIE Lab	59.78, 8.14, -62.76
CIE LCh	60, 63.285, 277.392
Yxy	27.8793, 0.1842, 0.1800
Android (android.graphics.Color)	4279210751 (0xFF0F92FF)
YUV	119.2570, 66.9213, -91.4334
Hunter-Lab	52.8009, 4.0472, -73.6178

Details

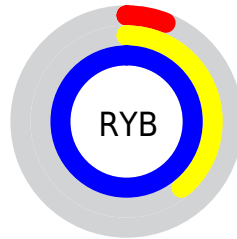
The Yxy color **27.8793, 0.1842, 0.1800** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **35.8340, 0.5445, 0.4015**, and the grayscale version is **18.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6443, 0.2279, 0.2592**, and **12.3970, 0.1758, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **25.6665, 0.1805, 0.1699**, and if you desaturate by 10%, it is **32.0069, 0.1918, 0.1973**.

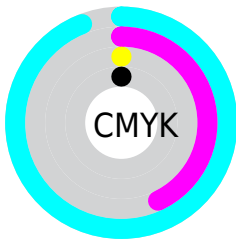
Distribution



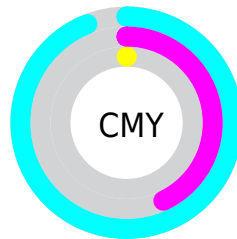
- Red (6%)
- Green (57%)
- Blue (100%)



- Red (6%)
- Yellow (39%)
- Blue (100%)



- Cyan (94%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (94%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8793, 0.1842, 0.1800 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 27.8793, 0.1842, 0.1800 by changing the saturation by 10% instead.


 27.8793, 0.1842,
0.1800


 27.8793, 0.1842,
0.1800


291.8897, 0.2484,
0.2526


 18.2347, 0.1692,
0.1635


 56.2917, 0.2070,
0.2054

 11.1186, 0.1508,
0.1436


 75.8282, 0.2157,
0.2152

 6.1467, 0.1282,
0.1195


 99.4309, 0.2232,
0.2237

 2.9345, 0.1004,
0.0905

 127.4841, 0.2297,
0.2311

 1.0976, 0.0673,
0.0573

 160.3722, 0.2353,
0.2375

 0.0000, 0.0174,
0.0000

198.4795, 0.2402,

 0.0000, 0.0000,

0.2431

0.0000

242.1906, 0.2445,
0.2482

■ 27.8793, 0.1842,
0.1800

■ 27.8793, 0.1842,
0.1800

■ 25.6665, 0.1805,
0.1699

■ 32.0069, 0.1918,
0.1973

■ 36.8458, 0.2017,
0.2151

■ 42.4635, 0.2138,
0.2331

■ 48.9159, 0.2276,
0.2508

■ 56.2521, 0.2427,
0.2679

■ 64.5166, 0.2586,
0.2839

■ 73.7500, 0.2748,
0.2988

■ 83.9904, 0.2909,
0.3123

■ 95.2733, 0.3067,
0.3246

Harmonies

Analogous

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



27.8793, 0.1491, 0.1979



27.8793, 0.1842, 0.1800



27.8793, 0.2543, 0.1916

Triad

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



27.8793, 0.1842, 0.1800



27.8793, 0.5136, 0.3517



27.8793, 0.2490, 0.4732

Complementary

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



27.8793, 0.1842, 0.1800



35.8340, 0.5445, 0.4015

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.



27.8793, 0.3425, 0.5246



27.8793, 0.1842, 0.1800



27.8793, 0.4990, 0.4232

Square

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



27.8793, 0.1842, 0.1800



27.8793, 0.4590, 0.2851



27.8793, 0.4332, 0.4917



27.8793, 0.1786, 0.3563

Rectangle

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



27.8793, 0.1842, 0.1800



27.8793, 0.3197, 0.2137



27.8793, 0.4332, 0.4917



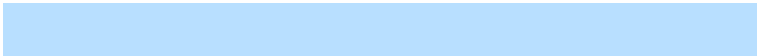
27.8793, 0.2790, 0.5009

Sweetspot

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



27.8801, 0.1842, 0.1800



69.8718, 0.2682, 0.2929



73.0560, 0.2757, 0.5093



14.1139, 0.2612, 0.2864



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.



27.8801, 0.1842, 0.1800



25.6688, 0.1805, 0.1699



8.1308, 0.1530, 0.0667



19.0181, 0.2979, 0.3179



13.7151, 0.1813, 0.1726



1.5539, 0.1866, 0.1919

Inverse Universe

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



23.6890, 0.4679, 0.2378



23.1224, 0.4808, 0.2422



85.4041, 0.4269, 0.4969



18.1527, 0.3208, 0.3161



12.1125, 0.4774, 0.2404



1.2014, 0.4546, 0.2278

Previews

White Background



This preview shows how the Yxy color 27.8793, 0.1842, 0.1800 looks on a white background.

Color Contrast Check

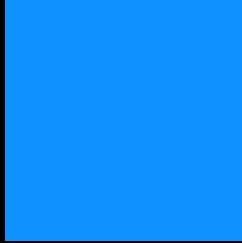
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8793, 0.1842, 0.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

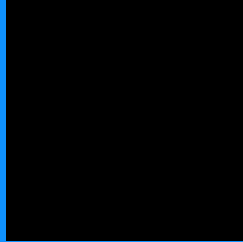
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

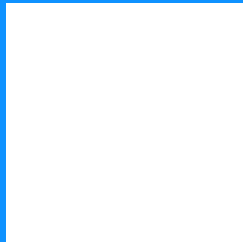
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8793, 0.1842, 0.1800

Background



This preview shows how black text looks on a background with the Yxy color 27.8793, 0.1842, 0.1800.



This preview shows how white text looks on a background with the Yxy color 27.8793, 0.1842, 0.1800.

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

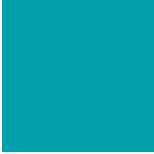
27.8793, 0.1842, 0.1800

Protanopia

27.6222, 0.2040, 0.1830

Deuteranopia

27.8281, 0.1861, 0.1794



Tritanopia

27.6986, 0.2191, 0.3088

Trichromacy



Original Color

27.8793, 0.1842, 0.1800

Protanomaly

27.4349, 0.1929, 0.1808

Deuteranomaly

27.7177, 0.1851, 0.1790

Tritanomaly

27.3670, 0.2036, 0.2513

Monochromacy



Original Color

27.8793, 0.1842, 0.1800

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.2770, 0.2330, 0.2580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8793, 0.1842, 0.1800 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(15, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8793, 0.1842, 0.1800 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(15, 146, 255) }
```

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

```
.border{ border-color:rgb(15, 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(15, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8793, 0.1842, 0.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 146, 255) }
```

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

```
.background{ background-color: rgb(15, 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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