

Converting Colors

$Y_{xy}(27.0302, 0.1837, 0.1760)$

Have a look what the booklet for
Yxy(27.0302, 0.1837, 0.1760)
contains.

Yxy(27.0471, 0.1837, 0.1761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0471, 0.1837, 0.1761)

Conversions

Conversions Part 1

Format	Color
Hex	168FFF
RGB	22, 143, 255
RGB Percent	9%, 56%, 100%
CMY	0.9118, 0.4391, 0.0001
CMYK	0.91, 0.44, 0.00, 0.00
HSL	209°, 100%, 54%
HSV	209°, 91%, 100%
XYZ	28.2144, 27.0471, 98.3280
YIQ	119.5890, -108.0680, 9.1800

Conversions

Conversions Part 2

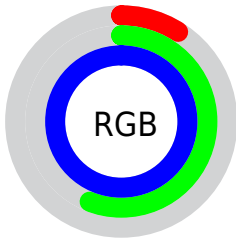
Format	Color
RYB	22, 102, 255
Decimal	1478655
CIELab	59.02, 10.19, -63.98
CIElCh	59, 64.781, 279.047
Yxy	27.0471, 0.1837, 0.1761
Android (android.graphics.Color)	4279668735 (0xFF168FFF)
YUV	119.5890, 66.7576, -85.5856
Hunter-Lab	52.0068, 5.8266, -75.6933

Details

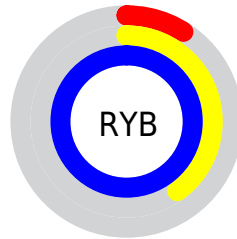
The Yxy color **27.0471, 0.1837, 0.1761** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **38.4897, 0.5314, 0.4093**, and the grayscale version is **18.5070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4129, 0.2280, 0.2554**, and **12.0366, 0.1749, 0.1495** is the 20% darker color. If you saturate the color by 10%, you get **23.7757, 0.1780, 0.1608**, and if you desaturate by 10%, it is **31.3912, 0.1922, 0.1944**.

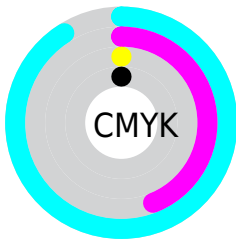
Distribution



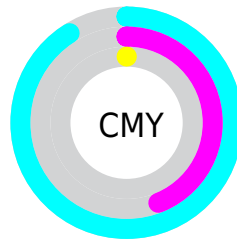
- Red (9%)
- Green (56%)
- Blue (100%)



- Red (9%)
- Yellow (40%)
- Blue (100%)



- Cyan (91%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0471, 0.1837, 0.1761 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 27.0471, 0.1837, 0.1761 by changing the saturation by 10% instead.


 27.0471, 0.1837,
0.1761


 27.0471, 0.1837,
0.1761


287.8851, 0.2484,
0.2505


 17.6086, 0.1685,
0.1593


 54.9594, 0.2067,
0.2020


 10.6694, 0.1500,
0.1391


 74.2021, 0.2155,
0.2121

 5.8450, 0.1271,
0.1147


 97.4815, 0.2230,
0.2208

 2.7510, 0.0991,
0.0857

 125.1822, 0.2295,
0.2283

 1.0032, 0.0659,
0.0529

 157.6885, 0.2352,
0.2349

 0.0000, 0.0145,
0.0000

195.3848, 0.2402,

 0.0000, 0.0000,

0.2407

0.0000

238.6556, 0.2445,
0.2459

■ 27.0471, 0.1837,
0.1761

■ 27.0471, 0.1837,
0.1761

■ 23.7757, 0.1780,
0.1608

■ 31.3912, 0.1922,
0.1944

■ 36.5059, 0.2032,
0.2134

■ 42.4572, 0.2162,
0.2325

■ 49.3007, 0.2308,
0.2511

■ 57.0859, 0.2465,
0.2689

■ 65.8578, 0.2627,
0.2857

■ 75.6581, 0.2791,
0.3011

■ 86.5254, 0.2953,
0.3151

■ 98.4964, 0.3109,
0.3276

Harmonies

Analogous

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



27.0471, 0.1462, 0.1922



27.0471, 0.1837, 0.1761



27.0471, 0.2574, 0.1896

Triad

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



27.0471, 0.1837, 0.1761



27.0471, 0.5209, 0.3551



27.0471, 0.2416, 0.4733

Complementary

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



27.0471, 0.1837, 0.1761



38.4897, 0.5314, 0.4093

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.



27.0471, 0.3368, 0.5312



27.0471, 0.1837, 0.1761



27.0471, 0.5012, 0.4285

Square

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



27.0471, 0.1837, 0.1761



27.0471, 0.4688, 0.2870



27.0471, 0.4309, 0.4990



27.0471, 0.1717, 0.3500

Rectangle

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



27.0471, 0.1837, 0.1761



27.0471, 0.3257, 0.2130



27.0471, 0.4309, 0.4990



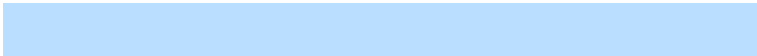
27.0471, 0.2719, 0.5037

Sweetspot

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



27.0479, 0.1837, 0.1761



69.8386, 0.2696, 0.2923



73.3248, 0.2734, 0.4987



14.2514, 0.2640, 0.2869



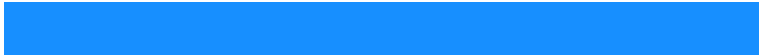
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.0479, 0.1837, 0.1761



23.7788, 0.1780, 0.1608



8.3356, 0.1541, 0.0681



18.9358, 0.2979, 0.3173



12.7258, 0.1788, 0.1636



1.4579, 0.1844, 0.1836

Inverse Universe

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



23.8336, 0.4721, 0.2420



22.9316, 0.4921, 0.2485



87.9823, 0.4233, 0.4984



18.1444, 0.3212, 0.3167



12.0126, 0.4886, 0.2465



1.1917, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 27.0471, 0.1837, 0.1761 looks on a white background.

Color Contrast Check

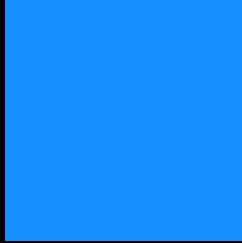
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0471, 0.1837, 0.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

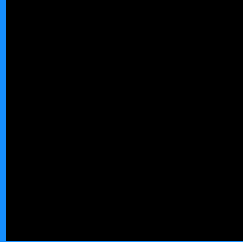
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

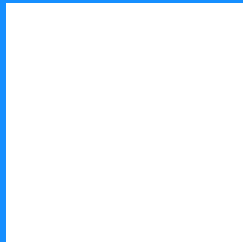
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0471, 0.1837, 0.1761

Background



This preview shows how black text looks on a background with the Yxy color 27.0471, 0.1837, 0.1761.



This preview shows how white text looks on a background with the Yxy color 27.0471, 0.1837, 0.1761.

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

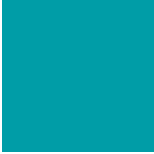
27.0355, 0.1836, 0.1760

Protanopia

26.8547, 0.2008, 0.1788

Deuteranopia

26.8007, 0.1823, 0.1763



Tritanopia

26.9040, 0.2196, 0.3104

Trichromacy



Original Color

27.0355, 0.1836, 0.1760

Protanomaly

26.5541, 0.1918, 0.1767

Deuteranomaly

26.8523, 0.1828, 0.1765

Tritanomaly

26.6316, 0.2035, 0.2505

Monochromacy



Original Color

27.0355, 0.1836, 0.1760

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.2342, 0.2348, 0.2551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0471, 0.1837, 0.1761 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(22, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 143, 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(22, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.0471, 0.1837, 0.1761 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(22, 143, 255) }
```

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

```
.border{ border-color:rgb(22, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0471, 0.1837, 0.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 143, 255) }
```

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

```
.background{ background-color: rgb(22, 143,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor