

Converting Colors

$Yxy(27.7339, 0.1868, 0.1788)$

Have a look what the booklet for
Yxy(27.7339, 0.1868, 0.1788)
contains.

Yxy(27.6379, 0.1867, 0.1783)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6379, 0.1867, 0.1783)

Conversions

Conversions Part 1

Format	Color
Hex	2990FF
RGB	41, 144, 255
RGB Percent	16%, 56%, 100%
CMY	0.8391, 0.4353, 0.0000
CMYK	0.84, 0.44, 0.00, 0.00
HSL	211°, 100%, 58%
HSV	211°, 84%, 100%
XYZ	28.9400, 27.6379, 98.4300
YIQ	125.8570, -97.0190, 12.6850

Conversions

Conversions Part 2

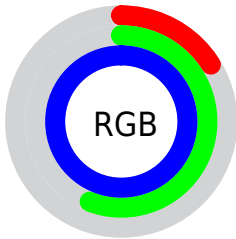
Format	Color
RYP	41, 111, 255
Decimal	2724095
CIELab	59.56, 10.68, -63.11
CIELCh	60, 64.005, 279.609
Yxy	27.6379, 0.1867, 0.1783
Android (android.graphics.Color)	4280914175 (0xFF2990FF)
YUV	125.8570, 63.6675, -74.4196
Hunter-Lab	52.5718, 6.2610, -74.2083

Details

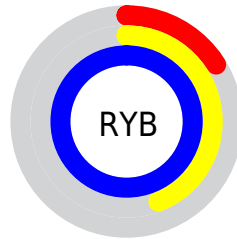
The Yxy color **27.6379, 0.1867, 0.1783** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **43.8889, 0.5057, 0.4198**, and the grayscale version is **20.6208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3635, 0.2313, 0.2573**, and **12.2156, 0.1753, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.4964, 0.1785, 0.1592**, and if you desaturate by 10%, it is **32.5874, 0.1975, 0.1985**.

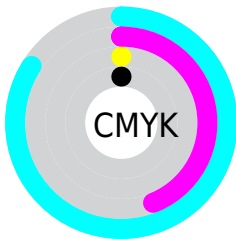
Distribution



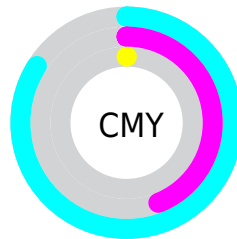
- Red (16%)
- Green (56%)
- Blue (100%)



- Red (16%)
- Yellow (44%)
- Blue (100%)



- Cyan (84%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (84%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6379, 0.1867, 0.1783 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 27.6379, 0.1867, 0.1783 by changing the saturation by 10% instead.


 27.6379, 0.1867,
0.1783


 27.6379, 0.1867,
0.1783


290.7326, 0.2499,
0.2515


 18.0529, 0.1718,
0.1617


 55.9058, 0.2092,
0.2038


 10.9880, 0.1536,
0.1418


 75.3575, 0.2178,
0.2137

 6.0587, 0.1311,
0.1176


 98.8669, 0.2252,
0.2223

 2.8808, 0.1033,
0.0888

 126.8183, 0.2315,
0.2297

 1.0698, 0.0700,
0.0558

 159.5962, 0.2370,
0.2362

 0.0000, 0.0212,
0.0000

197.5849, 0.2419,

 0.0000, 0.0000,

0.2419

0.0000

241.1689, 0.2461,
0.2470

■ 27.6379, 0.1867,
0.1783

■ 27.6379, 0.1867,
0.1783

■ 23.4964, 0.1785,
0.1592

■ 32.5874, 0.1975,
0.1985

■ 21.3138, 0.1745,
0.1482

■ 38.4174, 0.2105,
0.2190

■ 45.1889, 0.2253,
0.2393

■ 52.9558, 0.2412,
0.2589

■ 61.7671, 0.2578,
0.2774

■ 71.6680, 0.2744,
0.2945

■ 82.7004, 0.2909,
0.3100

■ 94.9041, 0.3067,
0.3240

■ 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.



27.6379, 0.1489, 0.1938



27.6379, 0.1867, 0.1783



27.6379, 0.2601, 0.1921

Triad

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



27.6379, 0.1867, 0.1783



27.6379, 0.5175, 0.3567



27.6379, 0.2416, 0.4682

Complementary

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



27.6379, 0.1867, 0.1783



43.8889, 0.5057, 0.4198

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.



27.6379, 0.3352, 0.5270



27.6379, 0.1867, 0.1783



27.6379, 0.4975, 0.4291

Square

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



27.6379, 0.1867, 0.1783



27.6379, 0.4674, 0.2891



27.6379, 0.4280, 0.4977



27.6379, 0.1731, 0.3475

Rectangle

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



27.6379, 0.1867, 0.1783



27.6379, 0.3277, 0.2155



27.6379, 0.4280, 0.4977



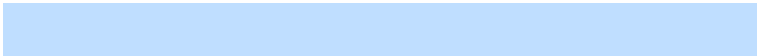
27.6379, 0.2713, 0.4984

Sweetspot

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



27.6377, 0.1867, 0.1783



70.5327, 0.2726, 0.2927



74.2455, 0.2675, 0.4694



14.3344, 0.2668, 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.



27.6377, 0.1867, 0.1783



21.3138, 0.1745, 0.1482



9.3571, 0.1597, 0.0751



18.8202, 0.2979, 0.3163



11.4324, 0.1753, 0.1511



1.3305, 0.1812, 0.1722

Inverse Universe

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



24.8618, 0.4677, 0.2471



22.6828, 0.5082, 0.2573



92.2702, 0.4130, 0.5007



18.1327, 0.3218, 0.3176



11.8821, 0.5044, 0.2552



1.1789, 0.4780, 0.2407

Previews

White Background



This preview shows how the Yxy color 27.6379, 0.1867, 0.1783 looks on a white background.

Color Contrast Check

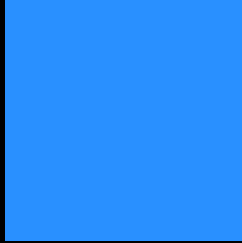
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6379, 0.1867, 0.1783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

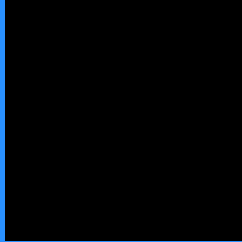
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

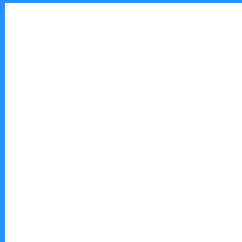
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6379, 0.1867, 0.1783

Background



This preview shows how black text looks on a background with the Yxy color 27.6379, 0.1867, 0.1783.



This preview shows how white text looks on a background with the Yxy color 27.6379, 0.1867, 0.1783.

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

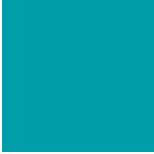
27.6379, 0.1867, 0.1783

Protanopia

27.6427, 0.2024, 0.1810

Deuteranopia

27.7468, 0.1853, 0.1791



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.6379, 0.1867, 0.1783

Protanomaly

27.4945, 0.1948, 0.1795

Deuteranomaly

27.8109, 0.1859, 0.1793

Tritanomaly

27.0542, 0.2043, 0.2510

Monochromacy



Original Color

27.6379, 0.1867, 0.1783

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.2251, 0.2412, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6379, 0.1867, 0.1783 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(41, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 144, 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(41, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.6379, 0.1867, 0.1783 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(41, 144, 255) }
```

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

```
.border{ border-color:rgb(41, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 144,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6379, 0.1867, 0.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 144, 255) }
```

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

```
.background{ background-color: rgb(41, 144,  
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