

Converting Colors

$Y_{xy}(28.5179, 0.1860, 0.1827)$

Have a look what the booklet for
Yxy(28.5179, 0.1860, 0.1827)
contains.

Yxy(28.6328, 0.1861, 0.1832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.6328, 0.1861, 0.1832)

Conversions

Conversions Part 1

Format	Color
Hex	1B94FF
RGB	27, 148, 255
RGB Percent	11%, 58%, 100%
CMY	0.8943, 0.4196, 0.0001
CMYK	0.89, 0.42, 0.00, 0.00
HSL	208°, 100%, 55%
HSV	208°, 89%, 100%
XYZ	29.0860, 28.6328, 98.5737
YIQ	124.0190, -106.4630, 7.6250

Conversions

Conversions Part 2

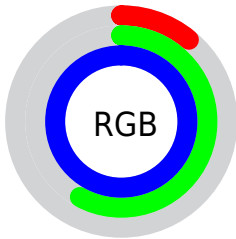
Format	Color
R _Y B	27, 106, 255
Decimal	1807615
CIE Lab	60.46, 7.39, -61.66
CIE LCh	60, 62.097, 276.832
Yxy	28.6328, 0.1861, 0.1832
Android (android.graphics.Color)	4279997695 (0xFF1B94FF)
YUV	124.0190, 64.5736, -85.0857
Hunter-Lab	53.5096, 3.3848, -71.7654

Details

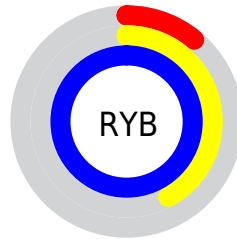
The Yxy color **28.6328, 0.1861, 0.1832** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **38.3583, 0.5307, 0.4076**, and the grayscale version is **19.9666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7752, 0.2298, 0.2620**, and **12.8126, 0.1765, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **24.8501, 0.1795, 0.1660**, and if you desaturate by 10%, it is **33.0917, 0.1949, 0.2013**.

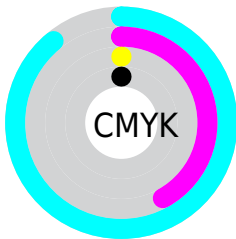
Distribution



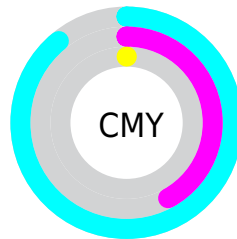
- Red (11%)
- Green (58%)
- Blue (100%)



- Red (11%)
- Yellow (42%)
- Blue (100%)



- Cyan (89%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6328, 0.1861, 0.1832 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 28.6328, 0.1861, 0.1832 by changing the saturation by 10% instead.


 28.6328, 0.1861,
0.1832


 28.6328, 0.1861,
0.1832


295.4784, 0.2493,
0.2543

 18.8032, 0.1713,
0.1670


 57.4932, 0.2085,
0.2081


 11.5282, 0.1532,
0.1474


 77.2927, 0.2171,
0.2177


 6.4233, 0.1309,
0.1235


 101.1844, 0.2244,
0.2260

 3.1041, 0.1034,
0.0947

 129.5526, 0.2308,
0.2332

 1.1863, 0.0704,
0.0613

 162.7817, 0.2363,
0.2395

 0.0505, 0.0224,
0.0049

201.2561, 0.2412,

 0.0000, 0.0000,

0.2450

0.0000

245.3602, 0.2454,
0.2499

■ 28.6328, 0.1861,
0.1832

■ 28.6328, 0.1861,
0.1832

■ 24.8501, 0.1795,
0.1660

■ 33.0917, 0.1949,
0.2013

■ 24.6487, 0.1792,
0.1651

■ 38.3143, 0.2061,
0.2198

■ 44.3637, 0.2192,
0.2383

■ 51.2932, 0.2339,
0.2563

■ 59.1508, 0.2495,
0.2735

■ 67.9798, 0.2657,
0.2895

■ 77.8206, 0.2820,
0.3043

■ 88.7107, 0.2981,
0.3177

■ 99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



28.6328, 0.1521, 0.2017



28.6328, 0.1861, 0.1832



28.6328, 0.2543, 0.1940

Triad

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



28.6328, 0.1861, 0.1832



28.6328, 0.5081, 0.3508



28.6328, 0.2527, 0.4704

Complementary

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



28.6328, 0.1861, 0.1832



38.3583, 0.5307, 0.4076

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.



28.6328, 0.3443, 0.5190



28.6328, 0.1861, 0.1832



28.6328, 0.4957, 0.4208

Square

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



28.6328, 0.1861, 0.1832



28.6328, 0.4535, 0.2852



28.6328, 0.4327, 0.4873



28.6328, 0.1828, 0.3580

Rectangle

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



28.6328, 0.1861, 0.1832



28.6328, 0.3178, 0.2155



28.6328, 0.4327, 0.4873



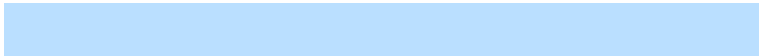
28.6328, 0.2821, 0.4967

Sweetspot

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



28.6336, 0.1861, 0.1832



70.2952, 0.2697, 0.2933



73.4354, 0.2729, 0.4953



14.3588, 0.2641, 0.2880



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.



28.6336, 0.1861, 0.1832



24.6555, 0.1792, 0.1651



8.6263, 0.1552, 0.0702



18.9746, 0.2979, 0.3176



13.1849, 0.1800, 0.1678



1.5026, 0.1854, 0.1875

Inverse Universe

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



24.1741, 0.4634, 0.2385



23.0201, 0.4868, 0.2455



88.0794, 0.4227, 0.4977



18.1483, 0.3211, 0.3164



12.0590, 0.4833, 0.2436



1.1962, 0.4597, 0.2306

Previews

White Background



This preview shows how the Yxy color 28.6328, 0.1861, 0.1832 looks on a white background.

Color Contrast Check

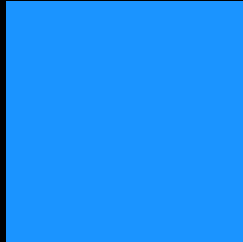
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6328, 0.1861, 0.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

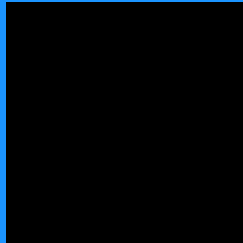
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

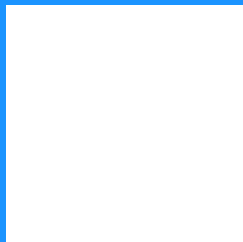
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6328, 0.1861, 0.1832

Background



This preview shows how black text looks on a background with the Yxy color 28.6328, 0.1861, 0.1832.



This preview shows how white text looks on a background with the Yxy color 28.6328, 0.1861, 0.1832.

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

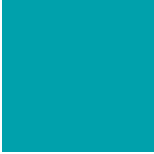
28.6328, 0.1861, 0.1832

Protanopia

28.4237, 0.2065, 0.1863

Deuteranopia

28.7158, 0.1892, 0.1829



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



Original Color

28.6328, 0.1861, 0.1832

Protanomaly

28.2893, 0.1958, 0.1843

Deuteranomaly

28.5386, 0.1876, 0.1824

Tritanomaly

28.1057, 0.2045, 0.2535

Monochromacy



Original Color

28.6328, 0.1861, 0.1832

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.8775, 0.2375, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6328, 0.1861, 0.1832 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(27, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 148, 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(27, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.6328, 0.1861, 0.1832 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(27, 148, 255) }
```

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

```
.border{ border-color:rgb(27, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6328, 0.1861, 0.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 148, 255) }
```

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

```
.background{ background-color: rgb(27, 148,  
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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