

Converting Colors

$Yxy(33.4104, 0.1914, 0.2034)$

Have a look what the booklet for
Yxy(33.4104, 0.1914, 0.2034)
contains.

Yxy(33.2673, 0.1913, 0.2028)	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(33.2673, 0.1913, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	19A2FF
RGB	25, 162, 255
RGB Percent	10%, 64%, 100%
CMY	0.9003, 0.3648, 0.0000
CMYK	0.90, 0.36, 0.00, 0.00
HSL	204°, 100%, 55%
HSV	204°, 90%, 100%
XYZ	31.3808, 33.2673, 99.3918
YIQ	131.6390, -111.5050, -0.1210

Conversions

Conversions Part 2

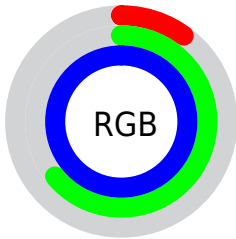
Format	Color
R _Y B	25, 111, 255
Decimal	1680127
CIE Lab	64.38, -0.87, -55.43
CIE LCh	64, 55.437, 269.097
Yxy	33.2673, 0.1913, 0.2028
Android (android.graphics.Color)	4279870207 (0xFF19A2FF)
YUV	131.6390, 60.8170, -93.5224
Hunter-Lab	57.6778, -3.8194, -61.7955

Details

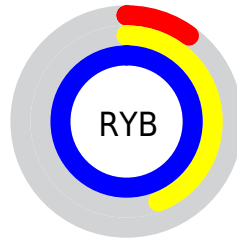
The Yxy color **33.2673, 0.1913, 0.2028** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **34.3922, 0.5486, 0.3935**, and the grayscale version is **22.7894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1136, 0.2338, 0.2814**, and **15.4461, 0.1827, 0.1778** is the 20% darker color. If you saturate the color by 10%, you get **29.5740, 0.1855, 0.1877**, and if you desaturate by 10%, it is **37.5470, 0.1992, 0.2185**.

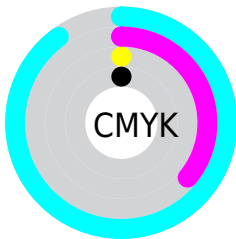
Distribution



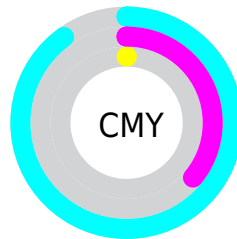
- Red (10%)
- Green (64%)
- Blue (100%)



- Red (10%)
- Yellow (44%)
- Blue (100%)



- Cyan (90%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2673, 0.1913, 0.2028 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 33.2673, 0.1913, 0.2028 by changing the saturation by 10% instead.


 33.2673, 0.1913,
0.2028


 33.2673, 0.1913,
0.2028


316.8525, 0.2508,
0.2648


 22.3313, 0.1775,
0.1884


 64.7926, 0.2123,
0.2247


 14.1005, 0.1606,
0.1707


 86.1507, 0.2204,
0.2331


 8.1906, 0.1396,
0.1487


 111.7517, 0.2273,
0.2403

 4.2172, 0.1135,
0.1213

 141.9798, 0.2333,
0.2466

 1.7958, 0.0815,
0.0875

 177.2196, 0.2385,
0.2520

 0.4845, 0.0398,
0.0439

217.8553, 0.2431,

 0.0000, 0.0000,

0.2568

0.0000

264.2715, 0.2472,
0.2611

■ 33.2673, 0.1913,
0.2028

■ 33.2673, 0.1913,
0.2028

■ 29.5740, 0.1855,
0.1877

■ 37.5470, 0.1992,
0.2185

■ 42.4953, 0.2093,
0.2345

■ 48.1706, 0.2213,
0.2503

■ 54.6230, 0.2350,
0.2658

■ 61.8967, 0.2498,
0.2805

■ 70.0319, 0.2654,
0.2943

■ 79.0657, 0.2813,
0.3070

■ 89.0325, 0.2971,
0.3186

■ 99.9648, 0.3127,
0.3290

Harmonies

Analogous

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



33.2673, 0.1680, 0.2286



33.2673, 0.1913, 0.2028



33.2673, 0.2445, 0.2055

Triad

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



33.2673, 0.1913, 0.2028



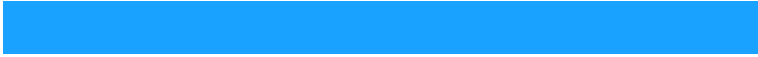
33.2673, 0.4729, 0.3360



33.2673, 0.2830, 0.4637

Complementary

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



33.2673, 0.1913, 0.2028



34.3922, 0.5486, 0.3935

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.



33.2673, 0.3645, 0.4890



33.2673, 0.1913, 0.2028



33.2673, 0.4793, 0.3979

Square

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



33.2673, 0.1913, 0.2028



33.2673, 0.4129, 0.2783



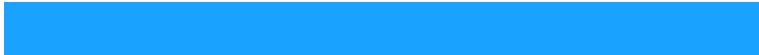
33.2673, 0.4367, 0.4560



33.2673, 0.2141, 0.3800

Rectangle

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



33.2673, 0.1913, 0.2028



33.2673, 0.2957, 0.2209



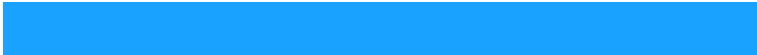
33.2673, 0.4367, 0.4560



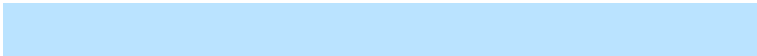
33.2673, 0.3099, 0.4800

Sweetspot

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



33.2670, 0.1913, 0.2028



72.6733, 0.2702, 0.2982



73.0224, 0.2787, 0.5166



14.9194, 0.2648, 0.2938



0.0000, 0.0000, 0.0000



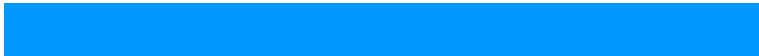
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2670, 0.1913, 0.2028



29.5740, 0.1855, 0.1877



9.5771, 0.1569, 0.0769



19.1746, 0.2979, 0.3191



15.7538, 0.1862, 0.1902



1.7485, 0.1910, 0.2076

Inverse Universe

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



24.5815, 0.4411, 0.2253



23.5167, 0.4595, 0.2305



79.0690, 0.4343, 0.4885



18.1685, 0.3201, 0.3150



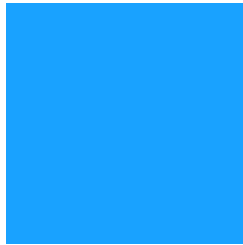
12.3183, 0.4565, 0.2289



1.2211, 0.4368, 0.2180

Previews

White Background



This preview shows how the Yxy color 33.2673, 0.1913, 0.2028 looks on a white background.

Color Contrast Check

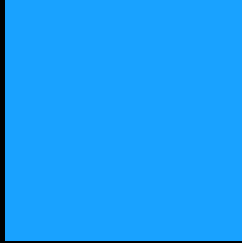
Large Text (above 18pt) WCAG AA × Fail

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 33.2673, 0.1913, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

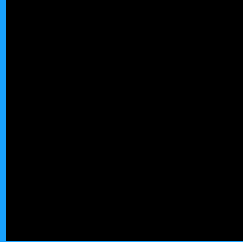
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

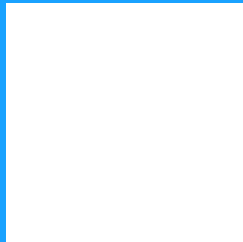
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2673, 0.1913, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 33.2673, 0.1913, 0.2028.



This preview shows how white text looks on a background with the Yxy color 33.2673, 0.1913, 0.2028.

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

33.2673, 0.1913, 0.2028

Protanopia

33.0322, 0.2214, 0.2062

Deuteranopia

33.1706, 0.2051, 0.1992



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.2673, 0.1913, 0.2028

Protanomaly

32.5478, 0.2053, 0.2041

Deuteranomaly

32.8670, 0.1979, 0.1996

Tritanomaly

32.7165, 0.2070, 0.2630

Monochromacy



Original Color

33.2673, 0.1913, 0.2028

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.1464, 0.2403, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2673, 0.1913, 0.2028 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(25, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 162, 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(25, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.2673, 0.1913, 0.2028 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(25, 162, 255) }
```

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

```
.border{ border-color:rgb(25, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2673, 0.1913, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 162, 255) }
```

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

```
.background{ background-color: rgb(25, 162,  
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