

Converting Colors

$Y_{xy}(32.6882, 0.1902, 0.2006)$

Have a look what the booklet for
Yxy(32.6882, 0.1902, 0.2006)
contains.

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Color

Yxy(32.8585, 0.1904, 0.2013)

Conversions

Conversions Part 1

Format	Color
Hex	14A1FF
RGB	20, 161, 255
RGB Percent	8%, 63%, 100%
CMY	0.9217, 0.3686, 0.0001
CMYK	0.92, 0.37, 0.00, 0.00
HSL	204°, 100%, 54%
HSV	204°, 92%, 100%
XYZ	31.0793, 32.8585, 99.2937
YIQ	129.5570, -114.2100, -0.6580

Conversions

Conversions Part 2

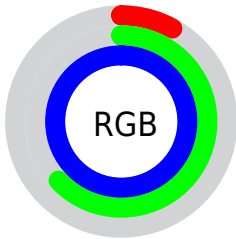
Format	Color
R _Y B	20, 108, 255
Decimal	1352191
CIE Lab	64.05, -0.56, -55.94
CIE LCh	64, 55.940, 269.427
Yxy	32.8585, 0.1904, 0.2013
Android (android.graphics.Color)	4279542271 (0xFF14A1FF)
YUV	129.5570, 61.8434, -96.0815
Hunter-Lab	57.3223, -3.5342, -62.5765

Details

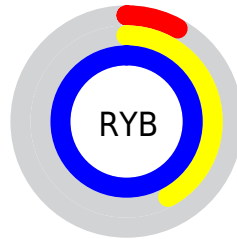
The Yxy color **32.8585, 0.1904, 0.2013** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **33.3255, 0.5554, 0.3907**, and the grayscale version is **21.9638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5339, 0.2331, 0.2801**, and **15.2291, 0.1822, 0.1760** is the 20% darker color. If you saturate the color by 10%, you get **30.0100, 0.1860, 0.1896**, and if you desaturate by 10%, it is **36.9897, 0.1977, 0.2167**.

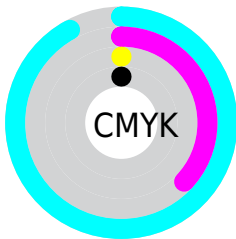
Distribution



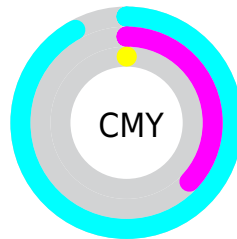
- Red (8%)
- Green (63%)
- Blue (100%)



- Red (8%)
- Yellow (42%)
- Blue (100%)



- Cyan (92%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8585, 0.1904, 0.2013 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 32.8585, 0.1904, 0.2013 by changing the saturation by 10% instead.


 32.8585, 0.1904,
0.2013


 32.8585, 0.1904,
0.2013


315.0116, 0.2504,
0.2641


 22.0181, 0.1765,
0.1867


 64.1545, 0.2115,
0.2234

 13.8702, 0.1594,
0.1688


 85.3790, 0.2197,
0.2320


 8.0304, 0.1383,
0.1467


 110.8335, 0.2267,
0.2393

 4.1144, 0.1121,
0.1191

 140.9025, 0.2327,
0.2456

 1.7378, 0.0800,
0.0852

 175.9705, 0.2380,
0.2511

 0.4479, 0.0376,
0.0409

216.4217, 0.2427,

 0.0000, 0.0000,

0.2560

0.0000

262.6406, 0.2468,
0.2603

■ 32.8585, 0.1904,
0.2013

■ 32.8585, 0.1904,
0.2013

■ 30.0100, 0.1860,
0.1896

■ 36.9897, 0.1977,
0.2167

■ 41.7666, 0.2073,
0.2324

■ 47.2512, 0.2189,
0.2481

■ 53.4948, 0.2321,
0.2634

■ 60.5424, 0.2467,
0.2781

■ 68.4348, 0.2621,
0.2919

■ 77.2093, 0.2779,
0.3047

■ 86.9008, 0.2937,
0.3163

■ 97.5418, 0.3094,
0.3269

Harmonies

Analogous

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



32.8585, 0.1666, 0.2269



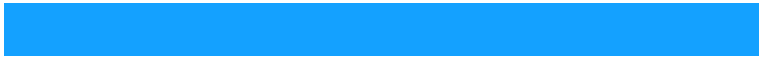
32.8585, 0.1904, 0.2013



32.8585, 0.2445, 0.2044

Triad

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



32.8585, 0.1904, 0.2013



32.8585, 0.4753, 0.3365



32.8585, 0.2816, 0.4651

Complementary

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



32.8585, 0.1904, 0.2013



33.3255, 0.5554, 0.3907

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.



32.8585, 0.3640, 0.4912



32.8585, 0.1904, 0.2013



32.8585, 0.4811, 0.3990

Square

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



32.8585, 0.1904, 0.2013



32.8585, 0.4151, 0.2783



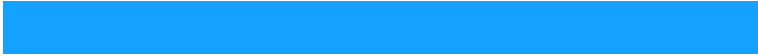
32.8585, 0.4373, 0.4579



32.8585, 0.2122, 0.3795

Rectangle

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



32.8585, 0.1904, 0.2013



32.8585, 0.2964, 0.2201



32.8585, 0.4373, 0.4579



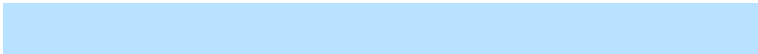
32.8585, 0.3087, 0.4818

Sweetspot

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



32.8595, 0.1904, 0.2013



71.9994, 0.2686, 0.2974



72.7819, 0.2808, 0.5259



14.6250, 0.2618, 0.2917



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.



32.8595, 0.1904, 0.2013



30.0154, 0.1860, 0.1896



9.4304, 0.1559, 0.0759



19.1913, 0.2979, 0.3193



15.9839, 0.1867, 0.1921



1.7702, 0.1915, 0.2093

Inverse Universe

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



24.3284, 0.4431, 0.2250



23.5612, 0.4572, 0.2292



76.5516, 0.4384, 0.4866



18.1702, 0.3200, 0.3148



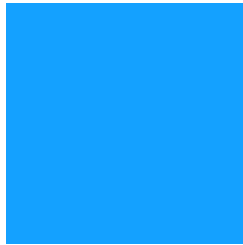
12.3415, 0.4544, 0.2277



1.2233, 0.4349, 0.2170

Previews

White Background



This preview shows how the Yxy color 32.8585, 0.1904, 0.2013 looks on a white background.

Color Contrast Check

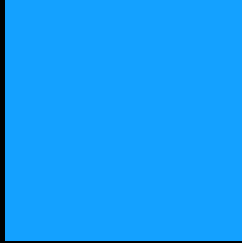
Large Text (above 18pt) WCAG AA × Fail

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 32.8585, 0.1904, 0.2013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

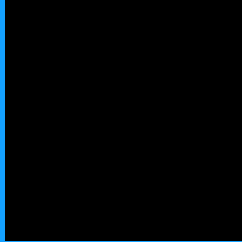
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

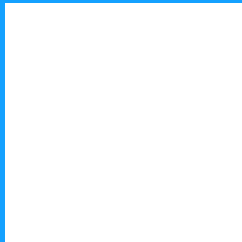
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8585, 0.1904, 0.2013

Background



This preview shows how black text looks on a background with the Yxy color 32.8585, 0.1904, 0.2013.



This preview shows how white text looks on a background with the Yxy color 32.8585, 0.1904, 0.2013.

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

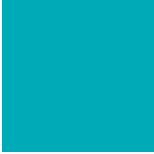
32.8585, 0.1904, 0.2013

Protanopia

32.6386, 0.2206, 0.2047

Deuteranopia

32.7374, 0.2040, 0.1976



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.8585, 0.1904, 0.2013

Protanomaly

32.0761, 0.2038, 0.2024

Deuteranomaly

32.3907, 0.1964, 0.1979

Tritanomaly

32.3357, 0.2064, 0.2613

Monochromacy



Original Color

32.8585, 0.1904, 0.2013

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.3186, 0.2389, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8585, 0.1904, 0.2013 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(20, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 161, 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(20, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.8585, 0.1904, 0.2013 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(20, 161, 255) }
```

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

```
.border{ border-color:rgb(20, 161, 255) }
```

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

Here you see how a box with a 4 pixel rgb(20, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8585, 0.1904, 0.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 161, 255) }
```

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

```
.background{ background-color: rgb(20, 161,  
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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