

Converting Colors

$Y_{xy}(33.5503, 0.1957, 0.1813)$

Have a look what the booklet for
Yxy(33.5503, 0.1957, 0.1813)
contains.

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Color

Yxy(32.4120, 0.2014, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	519BFF
RGB	81, 155, 255
RGB Percent	32%, 61%, 100%
CMY	0.6820, 0.3922, 0.0000
CMYK	0.68, 0.39, 0.00, 0.00
HSL	215°, 100%, 66%
HSV	215°, 68%, 100%
XYZ	33.1696, 32.4120, 99.1135
YIQ	144.2740, -76.2040, 15.4120

Conversions

Conversions Part 2

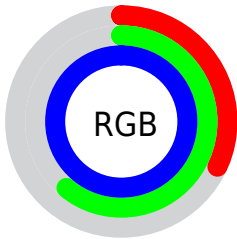
Format	Color
R _Y B	81, 133, 255
Decimal	5348351
CIE Lab	63.68, 8.57, -56.45
CIE LCh	64, 57.094, 278.629
Yxy	32.4120, 0.2014, 0.1968
Android (android.graphics.Color)	4283538431 (0xFF519BFF)
YUV	144.2740, 54.5879, -55.4913
Hunter-Lab	56.9315, 4.3679, -63.3674

Details

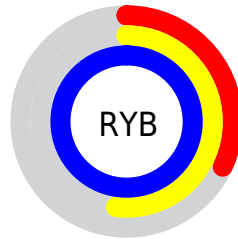
The Yxy color **32.4120, 0.2014, 0.1968** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **54.9438, 0.4577, 0.4243**, and the grayscale version is **27.8143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0240, 0.2458, 0.2744**, and **14.1804, 0.1798, 0.1673** is the 20% darker color. If you saturate the color by 10%, you get **26.9008, 0.1885, 0.1744**, and if you desaturate by 10%, it is **38.9408, 0.2163, 0.2195**.

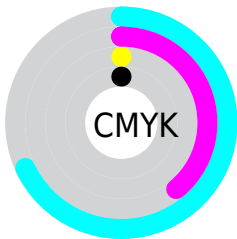
Distribution



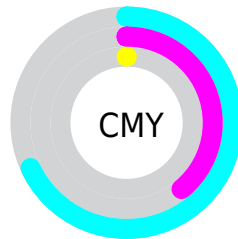
- Red (32%)
- Green (61%)
- Blue (100%)



- Red (32%)
- Yellow (52%)
- Blue (100%)



- Cyan (68%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (68%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4120, 0.2014, 0.1968 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 32.4120, 0.2014, 0.1968 by changing the saturation by 10% instead.


 32.4120, 0.2014,
0.1968


 32.4120, 0.2014,
0.1968


312.9918, 0.2568,
0.2609

 21.6764, 0.1883,
0.1821


 63.4564, 0.2211,
0.2192


 13.6193, 0.1721,
0.1641


 84.5340, 0.2287,
0.2279

 7.8564, 0.1519,
0.1420


 109.8277, 0.2351,
0.2354

 4.0032, 0.1262,
0.1147

 139.7219, 0.2406,
0.2419

 1.6753, 0.0940,
0.0814

174.6011, 0.2455,
0.2476

 0.4076, 0.0540,
0.0369

214.8495, 0.2497,

 0.0000, 0.0000,

0.2525

0.0000

260.8516, 0.2535,
0.2570

■ 32.4120, 0.2014,
0.1968

■ 32.4120, 0.2014,
0.1968

■ 26.9008, 0.1885,
0.1744

■ 38.9408, 0.2163,
0.2195

■ 22.3329, 0.1783,
0.1531

■ 46.5467, 0.2326,
0.2417

■ 18.6181, 0.1707,
0.1336

■ 55.2870, 0.2496,
0.2629

■ 18.0204, 0.1695,
0.1303

■ 65.2135, 0.2668,
0.2827

■ 76.3743, 0.2837,
0.3007

■ 88.8147, 0.3000,
0.3170

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



32.4120, 0.1679, 0.2131



32.4120, 0.2014, 0.1968



32.4120, 0.2658, 0.2079

Triad

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



32.4120, 0.2014, 0.1968



32.4120, 0.4873, 0.3555



32.4120, 0.2563, 0.4466

Complementary

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



32.4120, 0.2014, 0.1968



54.9438, 0.4577, 0.4243

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.



32.4120, 0.3388, 0.4951



32.4120, 0.2014, 0.1968



32.4120, 0.4755, 0.4193

Square

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



32.4120, 0.2014, 0.1968



32.4120, 0.4415, 0.2943



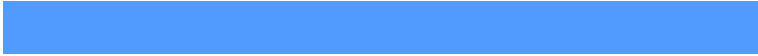
32.4120, 0.4188, 0.4753



32.4120, 0.1939, 0.3496

Rectangle

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



32.4120, 0.2014, 0.1968



32.4120, 0.3235, 0.2286



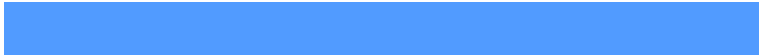
32.4120, 0.4188, 0.4753



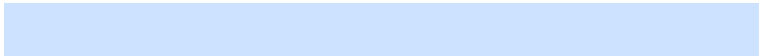
32.4120, 0.2826, 0.4707

Sweetspot

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



32.4130, 0.2014, 0.1968



74.2716, 0.2807, 0.2976



76.5530, 0.2643, 0.4272



15.2122, 0.2760, 0.2926



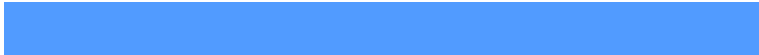
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



32.4130, 0.2014, 0.1968



25.0577, 0.1843, 0.1661



15.4295, 0.1858, 0.1125



18.6466, 0.2979, 0.3150



9.6974, 0.1704, 0.1333



1.1553, 0.1765, 0.1554

Inverse Universe

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



29.5247, 0.4407, 0.2597



24.9485, 0.4815, 0.2580



91.2412, 0.3974, 0.4877



18.1152, 0.3227, 0.3189



11.7069, 0.5281, 0.2683



1.1612, 0.4990, 0.2522

Previews

White Background



This preview shows how the Yxy color 32.4120, 0.2014, 0.1968 looks on a white background.

Color Contrast Check

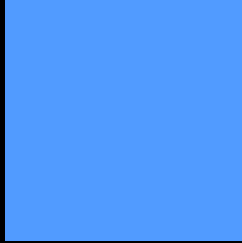
Large Text (above 18pt) WCAG AA × Fail

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 32.4120, 0.2014, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

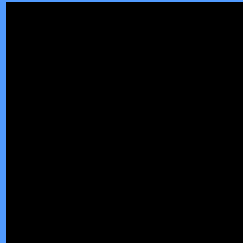
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

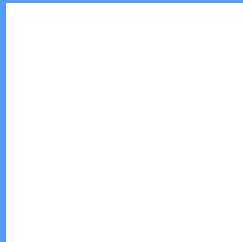
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4120, 0.2014, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 32.4120, 0.2014, 0.1968.



This preview shows how white text looks on a background with the Yxy color 32.4120, 0.2014, 0.1968.

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

32.4120, 0.2014, 0.1968

Protanopia

32.2255, 0.2159, 0.1989

Deuteranopia

32.3096, 0.2029, 0.1960



Tritanopia

32.4043, 0.2204, 0.3052

Trichromacy



Original Color

32.4120, 0.2014, 0.1968

Protanomaly

32.2514, 0.2097, 0.1979

Deuteranomaly

32.2160, 0.2021, 0.1958

Tritanomaly

32.1213, 0.2109, 0.2589

Monochromacy



Original Color

32.4120, 0.2014, 0.1968

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.7054, 0.2576, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4120, 0.2014, 0.1968 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(81, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(81, 155, 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(81, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.4120, 0.2014, 0.1968 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(81, 155, 255) }
```

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

```
.border{ border-color:rgb(81, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(81, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4120, 0.2014, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 155, 255) }
```

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

```
.background{ background-color: rgb(81, 155,  
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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