

Converting Colors

$Y_{xy}(35.0020, 0.2019, 0.2076)$

Have a look what the booklet for
Yxy(35.0020, 0.2019, 0.2076)
contains.

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Color

Yxy(34.8702, 0.2017, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	4AA3FF
RGB	74, 163, 255
RGB Percent	29%, 64%, 100%
CMY	0.7104, 0.3607, 0.0000
CMYK	0.71, 0.36, 0.00, 0.00
HSL	210°, 100%, 64%
HSV	210°, 71%, 100%
XYZ	33.9610, 34.8702, 99.5426
YIQ	146.8770, -82.5760, 9.7440

Conversions

Conversions Part 2

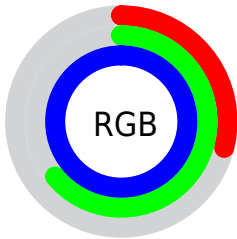
Format	Color
RYP	74, 134, 255
Decimal	4891647
CIELab	65.65, 2.87, -53.34
CIElCh	66, 53.415, 273.082
Yxy	34.8702, 0.2017, 0.2071
Android (android.graphics.Color)	4283081727 (0xFF4AA3FF)
YUV	146.8770, 53.3046, -63.9131
Hunter-Lab	59.0510, -0.6816, -58.6097

Details

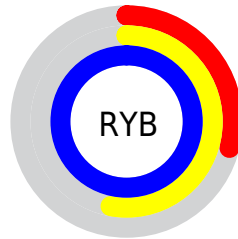
The Yxy color **34.8702, 0.2017, 0.2071** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.9587, 0.4753, 0.4150**, and the grayscale version is **28.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1136, 0.2452, 0.2852**, and **15.6656, 0.1832, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **29.6929, 0.1904, 0.1872**, and if you desaturate by 10%, it is **40.9300, 0.2151, 0.2272**.

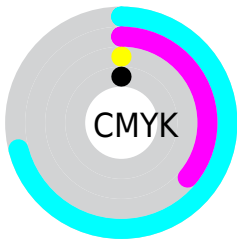
Distribution



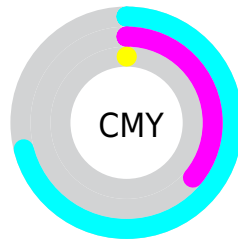
- Red (29%)
- Green (64%)
- Blue (100%)



- Red (29%)
- Yellow (53%)
- Blue (100%)



- Cyan (71%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8702, 0.2017, 0.2071 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 34.8702, 0.2017, 0.2071 by changing the saturation by 10% instead.


 34.8702, 0.2017,
0.2071


 34.8702, 0.2017,
0.2071


323.9950, 0.2563,
0.2666

 23.5629, 0.1889,
0.1933


 67.2846, 0.2210,
0.2280


 15.0097, 0.1731,
0.1764


 89.1606, 0.2284,
0.2361

 8.8262, 0.1534,
0.1553


 115.3282, 0.2348,
0.2430

 4.6280, 0.1284,
0.1289

 146.1718, 0.2403,
0.2490

 2.0307, 0.0970,
0.0959

182.0760, 0.2451,
0.2542

 0.6252, 0.0581,
0.0547

223.4249, 0.2493,

 0.0000, 0.0000,

0.2588

0.0000

270.6032, 0.2530,
0.2629

■ 34.8702, 0.2017,
0.2071

■ 34.8702, 0.2017,
0.2071

■ 29.6929, 0.1904,
0.1872

■ 40.9300, 0.2151,
0.2272

■ 25.3276, 0.1815,
0.1680

■ 47.9266, 0.2301,
0.2469

■ 22.0204, 0.1755,
0.1519

■ 55.9127, 0.2461,
0.2658

■ 64.9351, 0.2627,
0.2835

■ 75.0372, 0.2792,
0.2997

■ 86.2595, 0.2955,
0.3145

■ 98.6402, 0.3111,
0.3277

■ 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



34.8702, 0.1754, 0.2284



34.8702, 0.2017, 0.2071



34.8702, 0.2568, 0.2128

Triad

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



34.8702, 0.2017, 0.2071



34.8702, 0.4687, 0.3444



34.8702, 0.2752, 0.4478

Complementary

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



34.8702, 0.2017, 0.2071



48.9587, 0.4753, 0.4150

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.



34.8702, 0.3527, 0.4811



34.8702, 0.2017, 0.2071



34.8702, 0.4686, 0.4039

Square

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



34.8702, 0.2017, 0.2071



34.8702, 0.4177, 0.2878



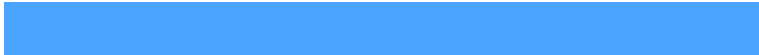
34.8702, 0.4238, 0.4570



34.8702, 0.2121, 0.3653

Rectangle

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



34.8702, 0.2017, 0.2071



34.8702, 0.3077, 0.2296



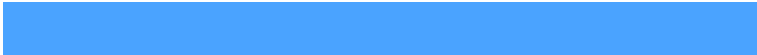
34.8702, 0.4238, 0.4570



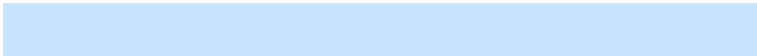
34.8702, 0.3005, 0.4660

Sweetspot

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



34.8713, 0.2017, 0.2071



75.0829, 0.2793, 0.2998



75.6615, 0.2689, 0.4490



15.4499, 0.2747, 0.2955



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.



34.8713, 0.2017, 0.2071



27.8723, 0.1866, 0.1795



13.5468, 0.1754, 0.1020



18.8545, 0.2979, 0.3166



11.8041, 0.1763, 0.1548



1.3674, 0.1821, 0.1756

Inverse Universe

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



28.7813, 0.4312, 0.2468



24.7050, 0.4667, 0.2451



93.2673, 0.4078, 0.4862



18.1362, 0.3217, 0.3174



11.9196, 0.4997, 0.2527



1.1826, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 34.8702, 0.2017, 0.2071 looks on a white background.

Color Contrast Check

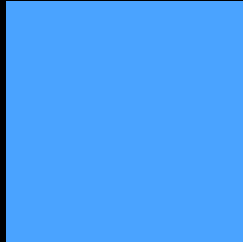
Large Text (above 18pt) WCAG AA × Fail

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 34.8702, 0.2017, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

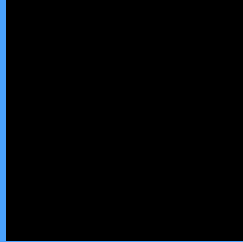
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

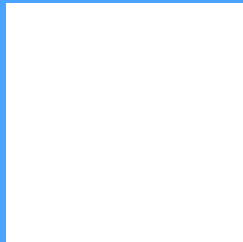
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8702, 0.2017, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 34.8702, 0.2017, 0.2071.

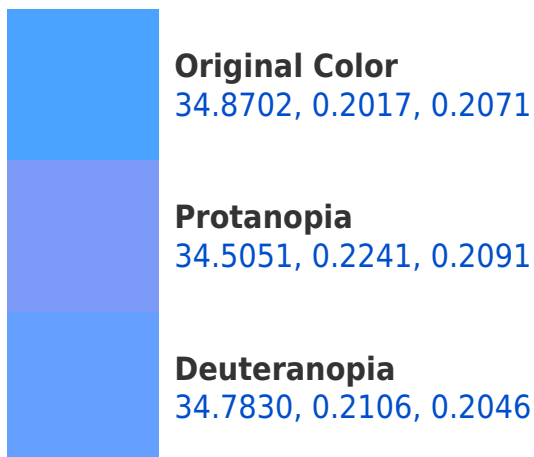


This preview shows how white text looks on a background with the Yxy color 34.8702, 0.2017, 0.2071.

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





Tritanopia

34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.8702, 0.2017, 0.2071

Protanomaly

34.4829, 0.2142, 0.2076

Deuteranomaly

34.5858, 0.2068, 0.2047

Tritanomaly

34.2139, 0.2086, 0.2629

Monochromacy



Original Color

34.8702, 0.2017, 0.2071

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3207, 0.2565, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8702, 0.2017, 0.2071 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(74, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 163, 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(74, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.8702, 0.2017, 0.2071 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(74, 163, 255) }
```

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

```
.border{ border-color:rgb(74, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8702, 0.2017, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 163, 255) }
```

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

```
.background{ background-color: rgb(74, 163,  
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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