

Converting Colors

$Y_{xy}(35.9802, 0.1981, 0.1972)$

Have a look what the booklet for
Yxy(35.9802, 0.1981, 0.1972)
contains.

Yxy(35.2268, 0.2021, 0.2085)	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(35.2268, 0.2021, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	4AA4FF
RGB	74, 164, 255
RGB Percent	29%, 64%, 100%
CMY	0.7098, 0.3568, 0.0001
CMYK	0.71, 0.36, 0.00, 0.00
HSL	210°, 100%, 65%
HSV	210°, 71%, 100%
XYZ	34.1455, 35.2268, 99.5812
YIQ	147.4640, -82.8510, 9.2210

Conversions

Conversions Part 2

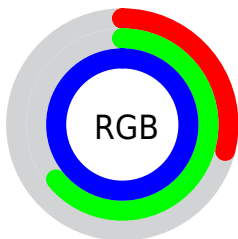
Format	Color
R _Y B	74, 134, 255
Decimal	4891903
CIE Lab	65.92, 2.32, -52.88
CIE LCh	66, 52.935, 272.509
Yxy	35.2268, 0.2021, 0.2085
Android (android.graphics.Color)	4283081983 (0xFF4AA4FF)
YUV	147.4640, 53.0152, -64.4279
Hunter-Lab	59.3522, -1.1747, -57.9304

Details

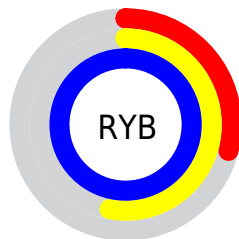
The Yxy color **35.2268, 0.2021, 0.2085** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.6499, 0.4759, 0.4141**, and the grayscale version is **29.1835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6338, 0.2455, 0.2864**, and **15.8875, 0.1837, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **30.0537, 0.1908, 0.1888**, and if you desaturate by 10%, it is **41.2743, 0.2155, 0.2284**.

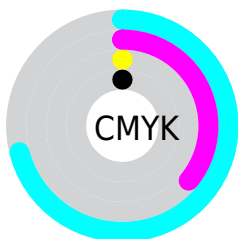
Distribution



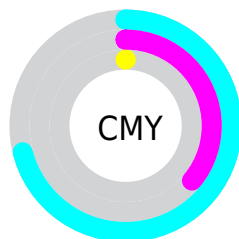
- Red (29%)
- Green (64%)
- Blue (100%)



- 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 35.2268, 0.2021, 0.2085 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 35.2268, 0.2021, 0.2085 by changing the saturation by 10% instead.


 35.2268, 0.2021,
0.2085


 35.2268, 0.2021,
0.2085


325.5683, 0.2564,
0.2673


 23.8376, 0.1894,
0.1948


 67.8370, 0.2213,
0.2292

 15.2132, 0.1737,
0.1781


 89.8268, 0.2287,
0.2372

 8.9692, 0.1541,
0.1572


 116.1189, 0.2350,
0.2440

 4.7211, 0.1292,
0.1309

 147.0977, 0.2405,
0.2500

 2.0846, 0.0979,
0.0980

183.1477, 0.2453,
0.2551

 0.6559, 0.0592,
0.0571

224.6532, 0.2494,

 0.0000, 0.0000,

0.2597

0.0000

271.9986, 0.2531,
0.2637

■ 35.2268, 0.2021,
0.2085

■ 35.2268, 0.2021,
0.2085

■ 30.0537, 0.1908,
0.1888

■ 41.2743, 0.2155,
0.2284

■ 25.6849, 0.1820,
0.1697

■ 48.2499, 0.2304,
0.2479

■ 22.3461, 0.1760,
0.1536

■ 56.2059, 0.2464,
0.2666

■ 65.1886, 0.2628,
0.2841

■ 75.2411, 0.2794,
0.3001

■ 86.4035, 0.2956,
0.3147

■ 98.7136, 0.3112,
0.3278

■ 99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



35.2268, 0.1765, 0.2303



35.2268, 0.2021, 0.2085



35.2268, 0.2562, 0.2136

Triad

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



35.2268, 0.2021, 0.2085



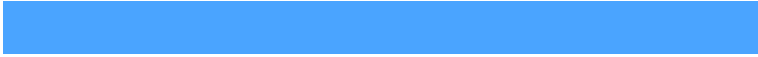
35.2268, 0.4663, 0.3433



35.2268, 0.2771, 0.4474

Complementary

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



35.2268, 0.2021, 0.2085



48.6499, 0.4759, 0.4141

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.



35.2268, 0.3540, 0.4791



35.2268, 0.2021, 0.2085



35.2268, 0.4674, 0.4023

Square

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



35.2268, 0.2021, 0.2085



35.2268, 0.4150, 0.2873



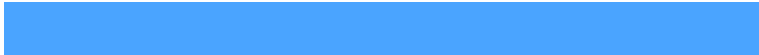
35.2268, 0.4239, 0.4549



35.2268, 0.2142, 0.3666

Rectangle

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



35.2268, 0.2021, 0.2085



35.2268, 0.3062, 0.2300



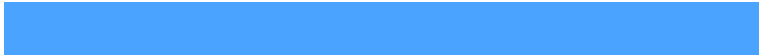
35.2268, 0.4239, 0.4549



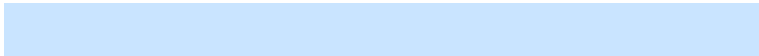
35.2268, 0.3022, 0.4649

Sweetspot

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



35.2279, 0.2021, 0.2085



75.2319, 0.2793, 0.3001



75.6551, 0.2689, 0.4489



15.4852, 0.2748, 0.2958



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.



35.2279, 0.2021, 0.2085



28.2087, 0.1870, 0.1810



13.5736, 0.1755, 0.1022



18.8701, 0.2979, 0.3167



11.9776, 0.1768, 0.1565



1.3845, 0.1825, 0.1771

Inverse Universe

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



28.8340, 0.4297, 0.2459



24.7390, 0.4649, 0.2440



93.2495, 0.4078, 0.4861



18.1377, 0.3216, 0.3172



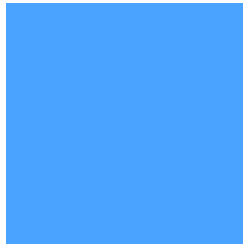
11.9371, 0.4976, 0.2515



1.1843, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 35.2268, 0.2021, 0.2085 looks on a white background.

Color Contrast Check

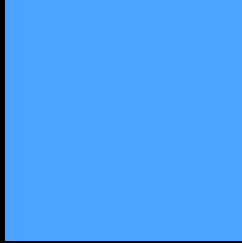
Large Text (above 18pt) WCAG AA × Fail

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 35.2268, 0.2021, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

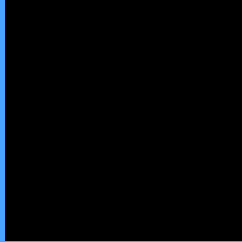
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

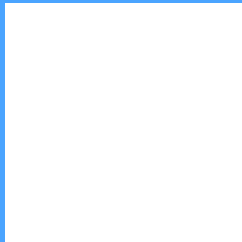
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2268, 0.2021, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 35.2268, 0.2021, 0.2085.



This preview shows how white text looks on a background with the Yxy color 35.2268, 0.2021, 0.2085.

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

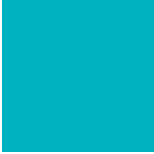
35.2268, 0.2021, 0.2085

Protanopia

34.9142, 0.2249, 0.2106

Deuteranopia

35.2452, 0.2118, 0.2062



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



Original Color

35.2268, 0.2021, 0.2085

Protanomaly

34.8255, 0.2145, 0.2089

Deuteranomaly

34.9850, 0.2075, 0.2062

Tritanomaly

34.5931, 0.2091, 0.2645

Monochromacy



Original Color

35.2268, 0.2021, 0.2085

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 35.2268, 0.2021, 0.2085 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, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 164, 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, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.2268, 0.2021, 0.2085 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, 164, 255) }
```

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

```
.border{ border-color:rgb(74, 164, 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, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2268, 0.2021, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 164, 255) }
```

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

```
.background{ background-color: rgb(74, 164,  
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