

Converting Colors

$Y_{xy}(35.7694, 0.2002, 0.2218)$

Have a look what the booklet for
Yxy(35.7694, 0.2002, 0.2218)
contains.

Yxy(35.7694, 0.2002, 0.2218)	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(35.7694, 0.2002, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	32A9F7
RGB	50, 169, 247
RGB Percent	20%, 66%, 97%
CMY	0.8047, 0.3372, 0.0313
CMYK	0.80, 0.32, 0.00, 0.03
HSL	204°, 93%, 58%
HSV	204°, 80%, 97%
XYZ	32.2860, 35.7694, 93.2133
YIQ	142.3110, -95.9620, -0.9700

Conversions

Conversions Part 2

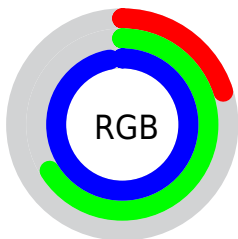
Format	Color
R _{YB}	50, 124, 247
Decimal	3320311
CIE Lab	66.34, -6.06, -47.93
CIE LCh	66, 48.315, 262.795
Yxy	35.7694, 0.2002, 0.2218
Android (android.graphics.Color)	4281510391 (0xFF32A9F7)
YUV	142.3110, 51.6117, -80.9567
Hunter-Lab	59.8075, -8.3032, -50.5415

Details

The Yxy color **35.7694, 0.2002, 0.2218** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **35.3926, 0.5216, 0.3959**, and the grayscale version is **26.9786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9669, 0.2395, 0.2918**, and **16.4403, 0.1883, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **31.8047, 0.1924, 0.2065**, and if you desaturate by 10%, it is **40.3459, 0.2102, 0.2373**.

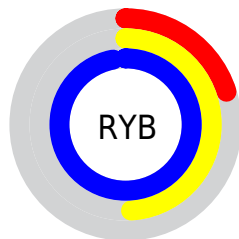
Distribution



Red (20%)

Green (66%)

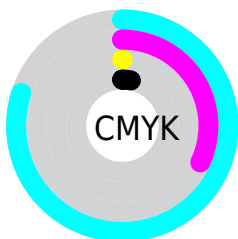
Blue (97%)



Red (20%)

Yellow (49%)

Blue (97%)

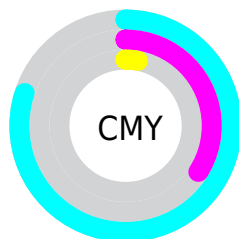


Cyan (80%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (80%)


Magenta (34%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7694, 0.2002, 0.2218 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 35.7694, 0.2002, 0.2218 by changing the saturation by 10% instead.


 35.7694, 0.2002,
0.2218


 35.7694, 0.2002,
0.2218


327.9515, 0.2553,
0.2753


 24.2562, 0.1873,
0.2090


 68.6760, 0.2197,
0.2409

 15.5237, 0.1714,
0.1931


 90.8381, 0.2272,
0.2482

 9.1878, 0.1514,
0.1729


 117.3187, 0.2336,
0.2544

 4.8639, 0.1261,
0.1469

 148.5020, 0.2391,
0.2598

 2.1676, 0.0942,
0.1132

184.7726, 0.2439,
0.2644

 0.7022, 0.0519,
0.0701

226.5148, 0.2482,

 0.0000, 0.0000,

0.2685

0.0000

274.1130, 0.2519,
0.2721

■ 35.7694, 0.2002,
0.2218

■ 35.7694, 0.2002,
0.2218

■ 31.8047, 0.1924,
0.2065

■ 40.3459, 0.2102,
0.2373

■ 28.3642, 0.1866,
0.1916

■ 45.5840, 0.2221,
0.2528

■ 28.3126, 0.1865,
0.1914

■ 51.5307, 0.2357,
0.2678

■ 58.2264, 0.2504,
0.2820

■ 65.7079, 0.2658,
0.2954

■ 74.0089, 0.2816,
0.3078

■ 83.1610, 0.2974,
0.3190

■ 93.1936, 0.3130,
0.3292

■ 99.4966, 0.3173,
0.3366

Harmonies

Analogous

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



35.7694, 0.1850, 0.2519



35.7694, 0.2002, 0.2218



35.7694, 0.2422, 0.2184

Triad

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



35.7694, 0.2002, 0.2218



35.7694, 0.4418, 0.3260



35.7694, 0.3036, 0.4506

Complementary

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



35.7694, 0.2002, 0.2218



35.3926, 0.5216, 0.3959

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.



35.7694, 0.3741, 0.4630



35.7694, 0.2002, 0.2218



35.7694, 0.4587, 0.3807

Square

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



35.7694, 0.2002, 0.2218



35.7694, 0.3835, 0.2759



35.7694, 0.4317, 0.4317



35.7694, 0.2393, 0.3891

Rectangle

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



35.7694, 0.2002, 0.2218



35.7694, 0.2840, 0.2291



35.7694, 0.4317, 0.4317



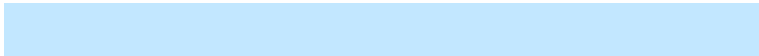
35.7694, 0.3273, 0.4608

Sweetspot

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



35.7706, 0.2002, 0.2218



75.6997, 0.2750, 0.3027



68.6973, 0.2780, 0.4986



15.5280, 0.2694, 0.2983



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.



35.7706, 0.2002, 0.2218



31.8001, 0.1886, 0.1971



12.1289, 0.1679, 0.0995



17.5936, 0.2980, 0.3194



15.2560, 0.1872, 0.1939



1.5410, 0.1924, 0.2126

Inverse Universe

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



24.9065, 0.4186, 0.2235



23.9562, 0.4483, 0.2259



73.3229, 0.4298, 0.4805



16.6508, 0.3199, 0.3148



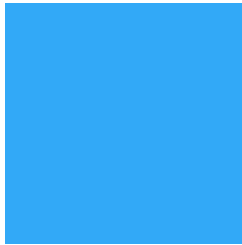
11.6395, 0.4523, 0.2265



1.0432, 0.4313, 0.2150

Previews

White Background



This preview shows how the Yxy color 35.7694, 0.2002, 0.2218 looks on a white background.

Color Contrast Check

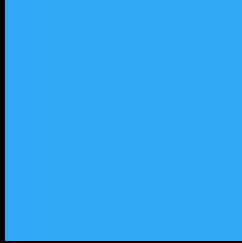
Large Text (above 18pt) WCAG AA × Fail

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 35.7694, 0.2002, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

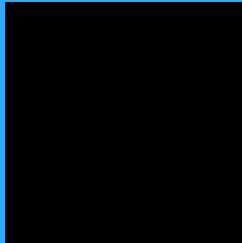
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

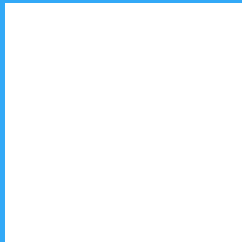
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7694, 0.2002, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 35.7694, 0.2002, 0.2218.



This preview shows how white text looks on a background with the Yxy color 35.7694, 0.2002, 0.2218.

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

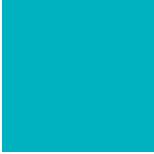
35.7694, 0.2002, 0.2218

Protanopia

35.2149, 0.2355, 0.2240

Deuteranopia

35.5586, 0.2196, 0.2133



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.7694, 0.2002, 0.2218

Protanomaly

34.7242, 0.2179, 0.2211

Deuteranomaly

35.1958, 0.2103, 0.2155

Tritanomaly

35.5420, 0.2101, 0.2719

Monochromacy



Original Color

35.7694, 0.2002, 0.2218

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9399, 0.2515, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7694, 0.2002, 0.2218 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(50, 169, 247)` looks like.

```
.text, #text, p{  
    color:rgb(50, 169, 247)  
}
```

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(50, 169, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 169, 247) }
```

Border

The CSS property to change the border of an element to Yxy 35.7694, 0.2002, 0.2218 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(50, 169, 247) }
```

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

```
.border{ border-color:rgb(50, 169, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 169, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 169, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 169, 247);  
box-shadow:4px 4px 4px 4px rgb(50, 169,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7694, 0.2002, 0.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 169, 247) }
```

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

```
.background{ background-color: rgb(50, 169,  
247) }
```

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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