

Converting Colors

$Y_{xy}(35.5306, 0.1954, 0.2216)$

Have a look what the booklet for
Yxy(35.5306, 0.1954, 0.2216)
contains.

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Color

Yxy(35.5294, 0.1955, 0.2220)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 0AAAF7 |
| RGB | 10, 170, 247 |
| RGB Percent | 4%, 67%, 97% |
| CMY | 0.9619, 0.3333, 0.0313 |
| CMYK | 0.96, 0.31, 0.00, 0.03 |
| HSL | 199°, 94%, 50% |
| HSV | 199°, 96%, 97% |
| XYZ | 31.2883, 35.5294, 93.2247 |
| YIQ | 130.9380, -120.0770, -9.9730 |

Conversions

Conversions Part 2

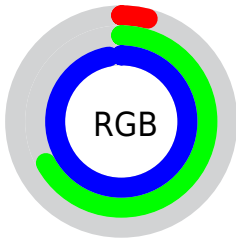
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 10, 106, 247 |
| Decimal | 699127 |
| CIE Lab | 66.16, -8.90, -48.26 |
| CIE LCh | 66, 49.072, 259.556 |
| Yxy | 35.5294, 0.1955, 0.2220 |
| Android (android.graphics.Color) | 4278889207 (0xFF0AAAF7) |
| YUV | 130.9380, 57.2186, -106.0626 |
| Hunter-Lab | 59.6065, -10.6144, -51.0050 |

Details

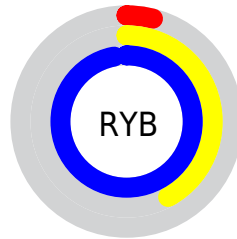
The Yxy color **35.5294, 0.1955, 0.2220** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **26.5757, 0.5840, 0.3712**, and the grayscale version is **22.4691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5152, 0.2343, 0.2926**, and **16.6746, 0.1888, 0.1996** is the 20% darker color. If you saturate the color by 10%, you get **34.2984, 0.1937, 0.2172**, and if you desaturate by 10%, it is **38.9137, 0.2011, 0.2343**.

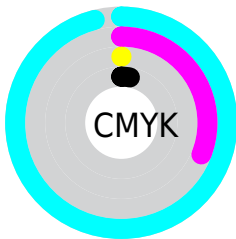
Distribution



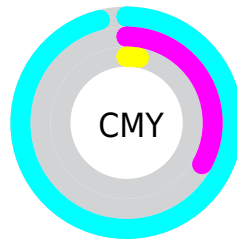
- Red (4%)
- Green (67%)
- Blue (97%)



- Red (4%)
- Yellow (42%)
- Blue (97%)



- Cyan (96%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)




- Cyan (96%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5294, 0.1955, 0.2220 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 35.5294, 0.1955, 0.2220 by changing the saturation by 10% instead.

 35.5294, 0.1955,
0.2220


 35.5294, 0.1955,
0.2220

326.8989, 0.2527,
0.2757


 24.0710, 0.1822,
0.2091


 68.3051, 0.2157,
0.2412


 15.3863, 0.1658,
0.1930


 90.3911, 0.2234,
0.2485


 9.0909, 0.1454,
0.1726


 116.7885, 0.2301,
0.2548

 4.8005, 0.1196,
0.1463

 147.8816, 0.2358,
0.2601

 2.1307, 0.0875,
0.1123

 184.0548, 0.2409,
0.2648

 0.6818, 0.0435,
0.0688

225.6924, 0.2453,

 0.0000, 0.0000,

0.2689

0.0000

273.1790, 0.2492,
0.2725

■ 35.5294, 0.1955,
0.2220

■ 35.5294, 0.1955,
0.2220

■ 34.2984, 0.1937,
0.2172

■ 38.9137, 0.2011,
0.2343

■ 42.7852, 0.2087,
0.2468

■ 47.2032, 0.2184,
0.2594

■ 52.2151, 0.2299,
0.2717

■ 57.8621, 0.2430,
0.2836

■ 64.1804, 0.2572,
0.2949

■ 71.2034, 0.2723,
0.3055

■ 78.9614, 0.2878,
0.3152

■ 87.4832, 0.3033,
0.3241

Harmonies

Analogous

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



35.5294, 0.1831, 0.2555



35.5294, 0.1955, 0.2220



35.5294, 0.2352, 0.2160

Triad

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



35.5294, 0.1955, 0.2220



35.5294, 0.4394, 0.3199



35.5294, 0.3110, 0.4571

Complementary

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



35.5294, 0.1955, 0.2220



26.5757, 0.5840, 0.3712

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.



35.5294, 0.3821, 0.4636



35.5294, 0.1955, 0.2220



35.5294, 0.4617, 0.3752

Square

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



35.5294, 0.1955, 0.2220



35.5294, 0.3767, 0.2702



35.5294, 0.4383, 0.4281



35.5294, 0.2441, 0.3986

Rectangle

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



35.5294, 0.1955, 0.2220



35.5294, 0.2759, 0.2252



35.5294, 0.4383, 0.4281



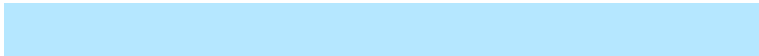
35.5294, 0.3352, 0.4653

Sweetspot

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



35.5306, 0.1955, 0.2220



74.2003, 0.2677, 0.3024



67.2539, 0.2871, 0.5513



15.1925, 0.2613, 0.2979



0.0000, 0.0000, 0.0000



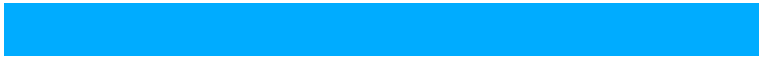
21.4041, 0.3127, 0.3290

Same Dimension

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



35.5306, 0.1955, 0.2220



36.8138, 0.1936, 0.2170



9.3470, 0.1563, 0.0803



17.7981, 0.2980, 0.3211



18.4043, 0.1942, 0.2193



1.8038, 0.1985, 0.2346

Inverse Universe

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



22.8924, 0.4208, 0.2107



24.2475, 0.4265, 0.2123



62.7584, 0.4541, 0.4758



16.6714, 0.3188, 0.3131



11.9573, 0.4240, 0.2110



1.0697, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 35.5294, 0.1955, 0.2220 looks on a white background.

Color Contrast Check

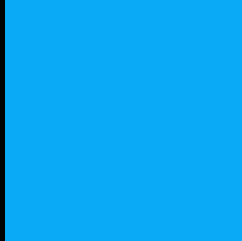
Large Text (above 18pt) WCAG AA × Fail

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 35.5294, 0.1955, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

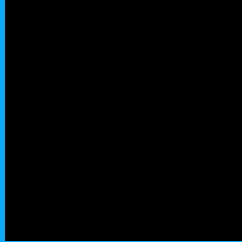
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

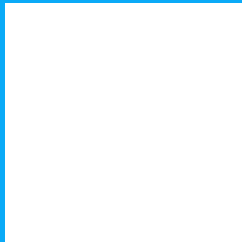
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5294, 0.1955, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 35.5294, 0.1955, 0.2220.



This preview shows how white text looks on a background with the Yxy color 35.5294, 0.1955, 0.2220.

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

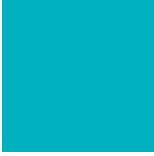
35.5294, 0.1955, 0.2220

Protanopia

35.1566, 0.2360, 0.2250

Deuteranopia

35.4885, 0.2181, 0.2120



Tritanopia

35.6024, 0.2188, 0.3076

Trichromacy



Original Color

35.5294, 0.1955, 0.2220



Protanomaly

34.2066, 0.2119, 0.2218



Deuteranomaly

34.8863, 0.2044, 0.2143



Tritanomaly

35.3889, 0.2095, 0.2732

Monochromacy



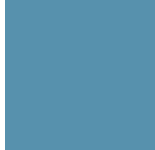
Original Color

35.5294, 0.1955, 0.2220



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.2942, 0.2395, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5294, 0.1955, 0.2220 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(10, 170, 247)` looks like.

```
.text, #text, p{  
    color:rgb(10, 170, 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(10, 170, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 170, 247) }
```

Border

The CSS property to change the border of an element to Yxy 35.5294, 0.1955, 0.2220 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(10, 170, 247) }
```

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

```
.border{ border-color:rgb(10, 170, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 170, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 170, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 170, 247);  
box-shadow:4px 4px 4px 4px rgb(10, 170,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5294, 0.1955, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 170, 247) }
```

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

```
.background{ background-color: rgb(10, 170,  
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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