

Converting Colors

$Yxy(77.1205, 0.2306, 0.3348)$

Have a look what the booklet for
Yxy(77.1205, 0.2306, 0.3348)
contains.

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Color

Yxy(77.1205, 0.2306, 0.3348)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 36FCF7 |
| RGB | 54, 252, 247 |
| RGB Percent | 21%, 99%, 97% |
| CMY | 0.7888, 0.0117, 0.0312 |
| CMYK | 0.79, 0.00, 0.02, 0.01 |
| HSL | 178°, 97%, 60% |
| HSV | 178°, 79%, 99% |
| XYZ | 53.1182, 77.1205, 100.1092 |
| YIQ | 192.2280, -116.4030, -43.5310 |

Conversions

Conversions Part 2

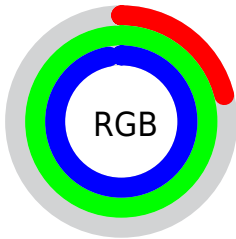
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 54, 154, 252 |
| Decimal | 3603703 |
| CIELab | 90.38, -46.67, -11.07 |
| CIElCh | 90, 47.967, 193.341 |
| Yxy | 77.1205, 0.2306, 0.3348 |
| Android (android.graphics.Color) | 4281793783 (0xFF36FCF7) |
| YUV | 192.2280, 27.0026, -121.2260 |
| Hunter-Lab | 87.8183, -45.7135, -6.1154 |

Details

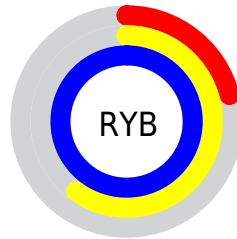
The Yxy color **77.1205, 0.2306, 0.3348** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.6362, 0.5840, 0.3268**, and the grayscale version is **52.7216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **42.7918, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **76.5603, 0.2280, 0.3356**, and if you desaturate by 10%, it is **78.0470, 0.2351, 0.3340**.

Distribution



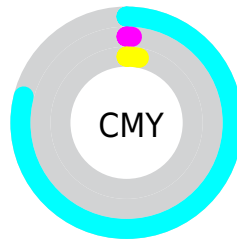
- Red (21%)
- Green (99%)
- Blue (97%)



- Red (21%)
- Yellow (60%)
- Blue (99%)



- Cyan (79%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (79%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1205, 0.2306, 0.3348 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 77.1205, 0.2306, 0.3348 by changing the saturation by 10% instead.

 77.1205, 0.2306,
0.3348

 77.1205, 0.2306,
0.3348

485.1748, 0.2672,
0.3332


 57.3518, 0.2226,
0.3349


 129.3096, 0.2430,
0.3345


 41.2877, 0.2130,
0.3349


 162.4987, 0.2479,
0.3343

 28.5440, 0.2011,
0.3347


 200.9301, 0.2522,
0.3341

 18.7361, 0.1861,
0.3341

 244.9881, 0.2559,
0.3339

 11.4798, 0.1668,
0.3327

295.0572, 0.2592,
0.3337

 6.3905, 0.1411,
0.3295


351.5218, 0.2622,


 3.0840, 0.1061,


0.3336


414.7662, 0.2648,
0.3334


0.3223


 1.1757, 0.0000,
0.3233


 0.0417, 0.0000,
0.0485


 77.1205, 0.2306,
0.3348


 77.1205, 0.2306,
0.3348


 76.5603, 0.2280,
0.3356


 78.0470, 0.2351,
0.3340


 76.2875, 0.2269,
0.3364


 79.3801, 0.2415,
0.3332


 76.2598, 0.2268,
0.3365


 81.1642, 0.2499,
0.3324


 83.4356, 0.2601,
0.3316

 86.2269, 0.2720,
0.3308

 89.5681, 0.2853,
0.3301

 93.4866, 0.2997,
0.3295

 97.9196, 0.3145,
0.3289

 97.9598, 0.3142,
0.3283

Harmonies

Analogous

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



77.1205, 0.2711, 0.3915



77.1205, 0.2306, 0.3348



77.1205, 0.2120, 0.2828

Triad

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



77.1205, 0.2306, 0.3348



77.1205, 0.2921, 0.2496



77.1205, 0.4159, 0.4005

Complementary

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



77.1205, 0.2306, 0.3348



23.6362, 0.5840, 0.3268

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.



77.1205, 0.4251, 0.3590



77.1205, 0.2306, 0.3348



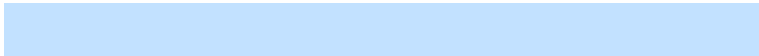
77.1205, 0.3498, 0.2764

Square

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



77.1205, 0.2306, 0.3348



77.1205, 0.2448, 0.2398



77.1205, 0.4004, 0.3150



77.1205, 0.3784, 0.4284

Rectangle

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



77.1205, 0.2306, 0.3348



77.1205, 0.2128, 0.2586



77.1205, 0.4004, 0.3150



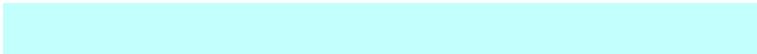
77.1205, 0.4227, 0.3875

Sweetspot

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



77.1234, 0.2306, 0.3348



90.0844, 0.2780, 0.3305



70.8656, 0.3028, 0.5742



19.0295, 0.2733, 0.3308



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.



77.1234, 0.2306, 0.3348



78.4628, 0.2273, 0.3361



32.7912, 0.1960, 0.2035



19.6006, 0.2984, 0.3296



39.7255, 0.2268, 0.3364



3.6816, 0.2265, 0.3354

Inverse Universe

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



23.6362, 0.5840, 0.3268



21.6655, 0.6302, 0.3286



41.6213, 0.5035, 0.4098



17.2323, 0.3290, 0.3284



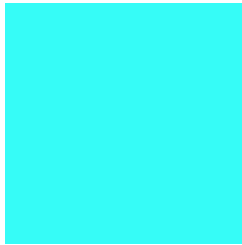
10.7909, 0.6375, 0.3285



1.0018, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 77.1205, 0.2306, 0.3348 looks on a white background.

Color Contrast Check

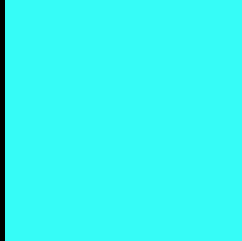
Large Text (above 18pt) WCAG AA × Fail

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 77.1205, 0.2306, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

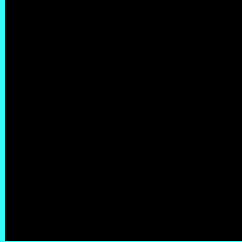
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

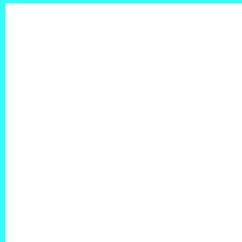
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1205, 0.2306, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 77.1205, 0.2306, 0.3348.

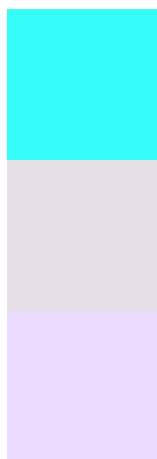


This preview shows how white text looks on a background with the Yxy color 77.1205, 0.2306, 0.3348.

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

77.1205, 0.2306, 0.3348

Protanopia

75.5185, 0.3116, 0.3227

Deuteranopia

75.3112, 0.3006, 0.2934



Tritanopia

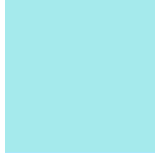
76.4265, 0.2527, 0.3129

Trichromacy



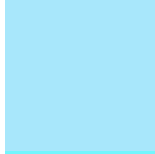
Original Color

77.1205, 0.2306, 0.3348



Protanomaly

72.9011, 0.2691, 0.3266



Deuteranomaly

72.4417, 0.2627, 0.3062



Tritanomaly

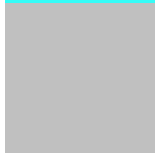
75.9105, 0.2414, 0.3206

Monochromacy



Original Color

77.1205, 0.2306, 0.3348



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5974, 0.2663, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1205, 0.2306, 0.3348 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(54, 252, 247)` looks like.

```
.text, #text, p{  
    color:rgb(54, 252, 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(54, 252, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 252, 247) }
```

Border

The CSS property to change the border of an element to Yxy 77.1205, 0.2306, 0.3348 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(54, 252, 247) }
```

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

```
.border{ border-color:rgb(54, 252, 247) }
```

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

Here you see how a box with a 4 pixel rgb(54, 252, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 252, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 252, 247);  
box-shadow:4px 4px 4px 4px rgb(54, 252,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1205, 0.2306, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 252, 247) }
```

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

```
.background{ background-color: rgb(54, 252,  
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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