

Converting Colors

$Y_{xy}(78.6120, 0.2331, 0.3451)$

Have a look what the booklet for
Yxy(78.6120, 0.2331, 0.3451)
contains.

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Color

Yxy(78.6346, 0.2330, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF2
RGB	51, 255, 242
RGB Percent	20%, 100%, 95%
CMY	0.7984, 0.0001, 0.0509
CMYK	0.80, 0.00, 0.05, 0.00
HSL	176°, 100%, 60%
HSV	176°, 80%, 100%
XYZ	53.1685, 78.6346, 96.3879
YIQ	192.5220, -117.4110, -47.2910

Conversions

Conversions Part 2

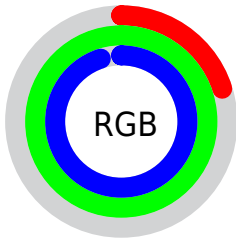
Format	Color
R_{YB}	51, 156, 255
Decimal	3407858
CIE _{Lab}	91.07, -49.52, -7.44
CIE _{LCh}	91, 50.079, 188.539
Yxy	78.6346, 0.2330, 0.3446
Android (android.graphics.Color)	4281597938 (0xFF33FFF2)
YUV	192.5220, 24.3927, -124.1148
Hunter-Lab	88.6762, -48.1582, -2.3728

Details

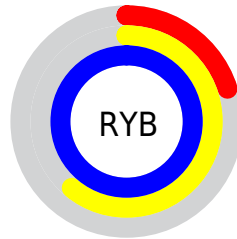
The Yxy color **78.6346, 0.2330, 0.3446** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.0364, 0.5809, 0.3219**, and the grayscale version is **53.0120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.4777, 0.2295, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **78.0442, 0.2309, 0.3467**, and if you desaturate by 10%, it is **79.5953, 0.2370, 0.3424**.

Distribution



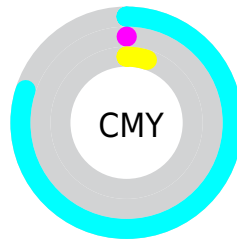
- Red (20%)
- Green (100%)
- Blue (95%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6346, 0.2330, 0.3446 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 78.6346, 0.2330, 0.3446 by changing the saturation by 10% instead.

 78.6346, 0.2330,
0.3446


 78.6346, 0.2330,
0.3446


490.3193, 0.2685,
0.3383


 58.5954, 0.2252,
0.3458


 131.4443, 0.2451,
0.3426

 42.2875, 0.2158,
0.3472


 164.9837, 0.2498,
0.3418

 29.3265, 0.2042,
0.3487


 203.7919, 0.2540,
0.3411

 19.3280, 0.1896,
0.3504

 248.2533, 0.2576,
0.3404

 11.9075, 0.1706,
0.3522

298.7524, 0.2608,
0.3398

 6.6807, 0.1452,
0.3537

355.6735, 0.2637,

 3.2632, 0.1105,

0.3393

419.4010, 0.2662,
0.3388

0.3537

1.2707, 0.0000,
0.3708

0.1183, 0.0000,
0.1543

78.6346, 0.2330,
0.3446

78.6346, 0.2330,
0.3446

78.0442, 0.2309,
0.3467

79.5953, 0.2370,
0.3424

77.7320, 0.2303,
0.3489

80.9690, 0.2429,
0.3403

77.7277, 0.2303,
0.3489

82.8023, 0.2508,
0.3382

85.1330, 0.2605,
0.3361

87.9952, 0.2719,
0.3341

91.4199, 0.2846,
0.3323

95.4358, 0.2984,
0.3305

99.9914, 0.3127,
0.3290

Harmonies

Analogous

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



78.6346, 0.2778, 0.4022



78.6346, 0.2330, 0.3446



78.6346, 0.2100, 0.2884

Triad

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



78.6346, 0.2330, 0.3446



78.6346, 0.2824, 0.2441



78.6346, 0.4234, 0.3963

Complementary

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



78.6346, 0.2330, 0.3446



24.0364, 0.5809, 0.3219

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.



78.6346, 0.4276, 0.3523



78.6346, 0.2330, 0.3446



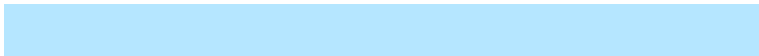
78.6346, 0.3415, 0.2692

Square

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



78.6346, 0.2330, 0.3446



78.6346, 0.2364, 0.2371



78.6346, 0.3967, 0.3074



78.6346, 0.3882, 0.4288

Rectangle

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



78.6346, 0.2330, 0.3446



78.6346, 0.2083, 0.2610



78.6346, 0.3967, 0.3074



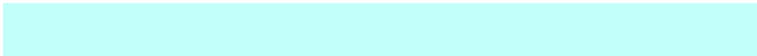
78.6346, 0.4287, 0.3823

Sweetspot

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



78.6376, 0.2330, 0.3446



89.9342, 0.2791, 0.3330



72.8775, 0.3044, 0.5755



18.9926, 0.2747, 0.3337



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.



78.6376, 0.2330, 0.3446



77.8413, 0.2304, 0.3481



35.4883, 0.1972, 0.2107



20.4603, 0.2989, 0.3305



40.6279, 0.2302, 0.3485



3.9616, 0.2295, 0.3461

Inverse Universe

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



24.0364, 0.5809, 0.3219



21.5551, 0.6291, 0.3265



40.1486, 0.5140, 0.4033



18.0058, 0.3284, 0.3275



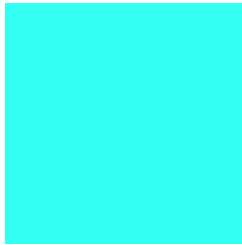
11.1358, 0.6336, 0.3264



1.0905, 0.6189, 0.3183

Previews

White Background



This preview shows how the Yxy color 78.6346, 0.2330, 0.3446 looks on a white background.

Color Contrast Check

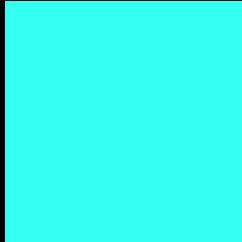
Large Text (above 18pt) WCAG AA × Fail

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 78.6346, 0.2330, 0.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

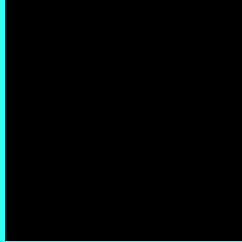
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

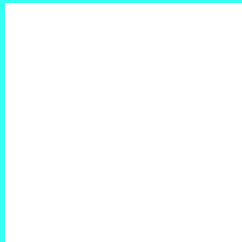
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6346, 0.2330, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 78.6346, 0.2330, 0.3446.

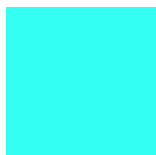


This preview shows how white text looks on a background with the Yxy color 78.6346, 0.2330, 0.3446.

Color Blindness Simulation

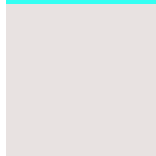
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



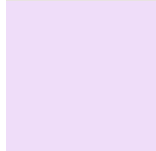
Original Color

78.6346, 0.2330, 0.3446



Protanopia

76.9848, 0.3176, 0.3301



Deuteranopia

76.9032, 0.3071, 0.3007



Tritanopia

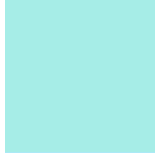
77.8924, 0.2570, 0.3142

Trichromacy



Original Color

78.6346, 0.2330, 0.3446



Protanomaly

74.4449, 0.2726, 0.3358



Deuteranomaly

73.5896, 0.2671, 0.3141



Tritanomaly

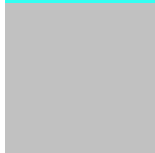
77.3456, 0.2444, 0.3253

Monochromacy



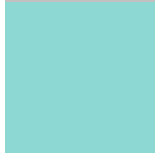
Original Color

78.6346, 0.2330, 0.3446



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.5657, 0.2672, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6346, 0.2330, 0.3446 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(51, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 242)  
}
```

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(51, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 78.6346, 0.2330, 0.3446 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(51, 255, 242) }
```

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

```
.border{ border-color:rgb(51, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
242) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.6346, 0.2330, 0.3446$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 242) }
```

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

```
.background{ background-color: rgb(51, 255,  
242) }
```

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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