

Converting Colors

$Yxy(78.3134, 0.2349, 0.3515)$

Have a look what the booklet for
Yxy(78.3134, 0.2349, 0.3515)
contains.

| | |
|--|----|
| Yxy(78.3382, 0.2348, 0.3509) | 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(78.3382, 0.2348, 0.3509)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33FFED |
| RGB | 51, 255, 237 |
| RGB Percent | 20%, 100%, 93% |
| CMY | 0.7994, 0.0000, 0.0705 |
| CMYK | 0.80, 0.00, 0.07, 0.00 |
| HSL | 175°, 100%, 60% |
| HSV | 175°, 80%, 100% |
| XYZ | 52.4189, 78.3382, 92.4922 |
| YIQ | 191.9520, -115.8060, -48.8460 |

Conversions

Conversions Part 2

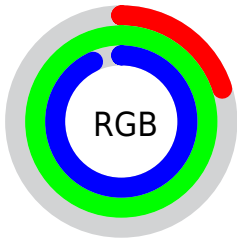
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 51, 158, 255 |
| Decimal | 3407853 |
| CIE Lab | 90.93, -50.89, -5.04 |
| CIE LCh | 91, 51.138, 185.662 |
| Yxy | 78.3382, 0.2348, 0.3509 |
| Android (android.graphics.Color) | 4281597933 (0xFF33FFED) |
| YUV | 191.9520, 22.2087, -123.6149 |
| Hunter-Lab | 88.5089, -49.1748, -0.0021 |

Details

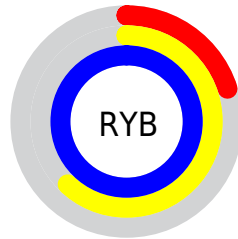
The Yxy color **78.3382, 0.2348, 0.3509** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.0729, 0.5756, 0.3185**, and the grayscale version is **52.6314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.2687, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **77.7176, 0.2329, 0.3539**, and if you desaturate by 10%, it is **79.3293, 0.2386, 0.3479**.

Distribution



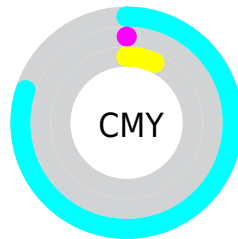
- Red (20%)
- Green (100%)
- Blue (93%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3382, 0.2348, 0.3509 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 78.3382, 0.2348, 0.3509 by changing the saturation by 10% instead.


 78.3382, 0.2348,
0.3509

 78.3382, 0.2348,
0.3509


489.3146, 0.2697,
0.3416

 58.3518, 0.2271,
0.3528


 131.0268, 0.2467,
0.3478

 42.0916, 0.2178,
0.3551


 164.4978, 0.2513,
0.3466

 29.1730, 0.2063,
0.3579

 203.2324, 0.2554,
0.3455

 19.2117, 0.1918,
0.3611

 247.6152, 0.2590,
0.3445

 11.8234, 0.1728,
0.3651

298.0304, 0.2621,
0.3437

 6.6235, 0.1474,
0.3698

354.8624, 0.2649,

 3.2278, 0.1122,

0.3429

0.3748

418.4957, 0.2674,
0.3422

■ 1.2518, 0.0000,
0.4026

■ 0.1034, 0.0000,
0.1818

■ 78.3382, 0.2348,
0.3509

■ 78.3382, 0.2348,
0.3509

■ 77.7176, 0.2329,
0.3539

■ 79.3293, 0.2386,
0.3479

■ 77.3745, 0.2325,
0.3569

■ 80.7338, 0.2443,
0.3448

■ 77.3725, 0.2325,
0.3569

■ 82.5982, 0.2520,
0.3418

■ 84.9605, 0.2616,
0.3389

■ 87.8549, 0.2727,
0.3362

■ 91.3123, 0.2851,
0.3336

■ 95.3614, 0.2986,
0.3312

■ 99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



78.3382, 0.2821, 0.4087



78.3382, 0.2348, 0.3509



78.3382, 0.2092, 0.2921

Triad

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



78.3382, 0.2348, 0.3509



78.3382, 0.2764, 0.2409



78.3382, 0.4277, 0.3935

Complementary

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



78.3382, 0.2348, 0.3509



24.0729, 0.5756, 0.3185

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.



78.3382, 0.4286, 0.3481



78.3382, 0.2348, 0.3509



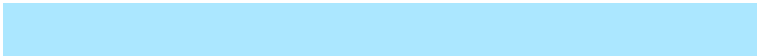
78.3382, 0.3361, 0.2649

Square

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



78.3382, 0.2348, 0.3509



78.3382, 0.2314, 0.2356



78.3382, 0.3940, 0.3027



78.3382, 0.3942, 0.4287

Rectangle

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



78.3382, 0.2348, 0.3509



78.3382, 0.2058, 0.2629



78.3382, 0.3940, 0.3027



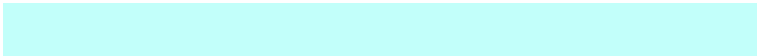
78.3382, 0.4321, 0.3789

Sweetspot

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



78.3412, 0.2348, 0.3509



89.8401, 0.2799, 0.3346



73.1184, 0.3063, 0.5743



18.9696, 0.2755, 0.3355



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.



78.3412, 0.2348, 0.3509



77.4925, 0.2325, 0.3557



37.9932, 0.1997, 0.2202



20.4522, 0.2992, 0.3311



40.4417, 0.2323, 0.3564



3.9454, 0.2314, 0.3530

Inverse Universe

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



24.0729, 0.5756, 0.3185



21.5846, 0.6255, 0.3245



38.1922, 0.5214, 0.3968



18.0131, 0.3281, 0.3269



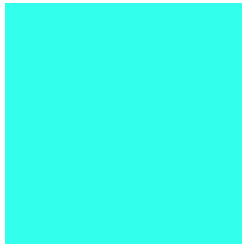
11.1489, 0.6305, 0.3247



1.0939, 0.6112, 0.3141

Previews

White Background



This preview shows how the Yxy color 78.3382, 0.2348, 0.3509 looks on a white background.

Color Contrast Check

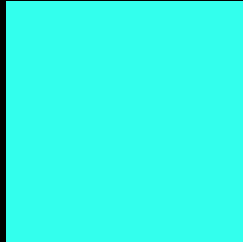
Large Text (above 18pt) WCAG AA × Fail

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 78.3382, 0.2348, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

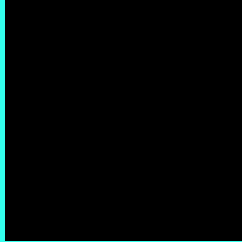
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3382, 0.2348, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 78.3382, 0.2348, 0.3509.

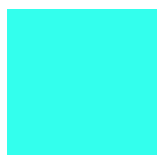


This preview shows how white text looks on a background with the Yxy color 78.3382, 0.2348, 0.3509.

Color Blindness Simulation

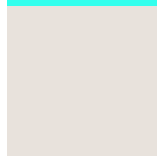
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



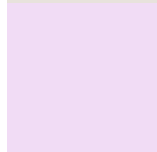
Original Color

78.3382, 0.2348, 0.3509



Protanopia

76.7158, 0.3208, 0.3354



Deuteranopia

76.4797, 0.3111, 0.3037



Tritanopia

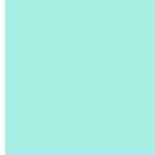
77.6928, 0.2561, 0.3142

Trichromacy



Original Color

78.3382, 0.2348, 0.3509



Protanomaly

74.1664, 0.2753, 0.3417



Deuteranomaly

73.4593, 0.2697, 0.3186



Tritanomaly

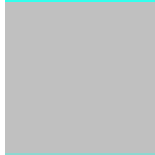
77.0807, 0.2446, 0.3276

Monochromacy



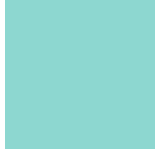
Original Color

78.3382, 0.2348, 0.3509



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.8177, 0.2681, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3382, 0.2348, 0.3509 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 78.3382, 0.2348, 0.3509 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, 237) }
```

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

```
.border{ border-color:rgb(51, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3382, 0.2348, 0.3509 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, 237) }
```

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

```
.background{ background-color: rgb(51, 255,  
237) }
```

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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