

Converting Colors

$Y_{xy}(85.2657, 0.2368, 0.3637)$

Have a look what the booklet for
Yxy(85.2657, 0.2368, 0.3637)
contains.

Yxy(78.0855, 0.2334, 0.3510)	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(78.0855, 0.2334, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	28FFED
RGB	40, 255, 237
RGB Percent	16%, 100%, 93%
CMY	0.8427, 0.0000, 0.0706
CMYK	0.84, 0.00, 0.07, 0.00
HSL	175°, 100%, 58%
HSV	175°, 84%, 100%
XYZ	51.9235, 78.0855, 92.4568
YIQ	188.6630, -122.3620, -51.1780

Conversions

Conversions Part 2

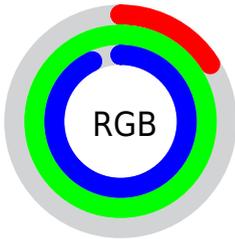
Format	Color
RYB	40, 152, 255
Decimal	2686957
CIELab	90.82, -51.69, -5.22
CIELCh	91, 51.951, 185.766
Yxy	78.0855, 0.2334, 0.3510
Android (android.graphics.Color)	4280877037 (0xFF28FFED)
YUV	188.6630, 23.8301, -130.3775
Hunter-Lab	88.3660, -49.7546, -0.1786

Details

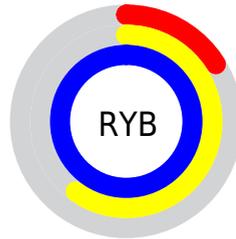
The Yxy color **78.0855, 0.2334, 0.3510** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0908, 0.5934, 0.3204**, and the grayscale version is **50.6181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **43.2687, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **77.6087, 0.2322, 0.3538**, and if you desaturate by 10%, it is **78.9046, 0.2364, 0.3481**.

Distribution



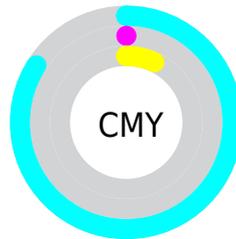
- Red (16%)
- Green (100%)
- Blue (93%)



- Red (16%)
- Yellow (60%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (84%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0855, 0.2334, 0.3510 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 78.0855, 0.2334, 0.3510 by changing the saturation by 10% instead.

 78.0855, 0.2334,
0.3510

 78.0855, 0.2334,
0.3510

488.4571, 0.2689,
0.3417

 58.1442, 0.2256,
0.3529

 130.6706, 0.2455,
0.3479

 41.9246, 0.2162,
0.3552

 164.0833, 0.2502,
0.3467

 29.0423, 0.2045,
0.3579

 202.7552, 0.2544,
0.3456

 19.1128, 0.1897,
0.3612

 247.0707, 0.2580,
0.3446

 11.7518, 0.1704,
0.3651

297.4143, 0.2612,
0.3438

 6.5749, 0.1446,
0.3697

354.1703, 0.2641,

 3.1977, 0.1091,

0.3430

0.3743

417.7231, 0.2666,
0.3423

 1.2358, 0.0000,
0.3999

 0.0907, 0.0000,
0.1636

 78.0855, 0.2334,
0.3510

 78.0855, 0.2334,
0.3510

 77.6087, 0.2322,
0.3538

 78.9046, 0.2364,
0.3481

 77.4401, 0.2321,
0.3555

 80.1165, 0.2413,
0.3452

 81.7701, 0.2482,
0.3424

 83.9056, 0.2570,
0.3396

 86.5585, 0.2675,
0.3369

 89.7612, 0.2794,
0.3344

 93.5434, 0.2925,
0.3320

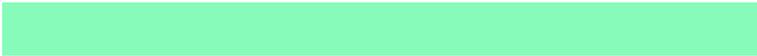
 97.9324, 0.3065,
0.3299

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.0855, 0.2814, 0.4100



78.0855, 0.2334, 0.3510



78.0855, 0.2075, 0.2912

Triad

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



78.0855, 0.2334, 0.3510



78.0855, 0.2759, 0.2397



78.0855, 0.4295, 0.3945

Complementary

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



78.0855, 0.2334, 0.3510



23.0908, 0.5934, 0.3204

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.



78.0855, 0.4307, 0.3484



78.0855, 0.2334, 0.3510



78.0855, 0.3366, 0.2640

Square

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



78.0855, 0.2334, 0.3510



78.0855, 0.2302, 0.2342



78.0855, 0.3955, 0.3024



78.0855, 0.3953, 0.4303

Rectangle

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



78.0855, 0.2334, 0.3510



78.0855, 0.2042, 0.2616



78.0855, 0.3955, 0.3024



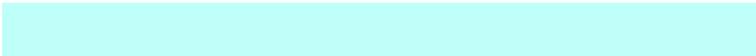
78.0855, 0.4340, 0.3796

Sweetspot

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



78.0877, 0.2334, 0.3510



89.5097, 0.2785, 0.3346



72.6848, 0.3053, 0.5823



18.9072, 0.2742, 0.3354



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.



78.0877, 0.2334, 0.3510



77.4401, 0.2321, 0.3555



36.0640, 0.1960, 0.2134



20.4537, 0.2991, 0.3310



40.4751, 0.2319, 0.3550



3.9483, 0.2310, 0.3517

Inverse Universe

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



23.0908, 0.5934, 0.3204



21.3155, 0.6331, 0.3262



36.3510, 0.5343, 0.3956



18.0118, 0.3281, 0.3270



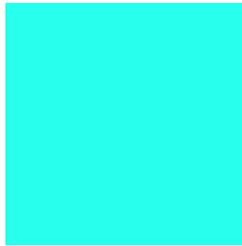
11.1463, 0.6312, 0.3251



1.0933, 0.6126, 0.3148

Previews

White Background



This preview shows how the Yxy color 78.0855, 0.2334, 0.3510 looks on a white background.

Color Contrast Check

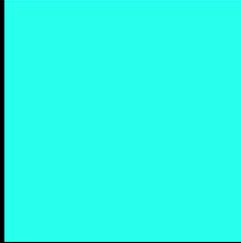
Large Text (above 18pt) WCAG AA × Fail

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 78.0855, 0.2334, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

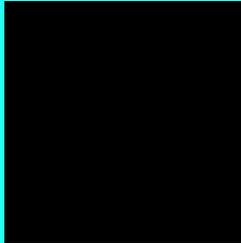
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0855, 0.2334, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 78.0855, 0.2334, 0.3510.

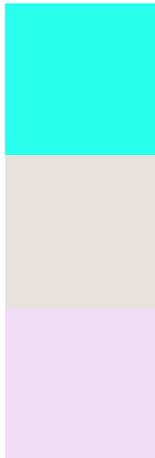


This preview shows how white text looks on a background with the Yxy color 78.0855, 0.2334, 0.3510.

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

78.0855, 0.2334, 0.3510

Protanopia

76.7158, 0.3208, 0.3354

Deuteranopia

76.3042, 0.3104, 0.3036



Tritanopia

77.4966, 0.2551, 0.3142

Trichromacy



Original Color

78.0855, 0.2334, 0.3510



Protanomaly

73.7407, 0.2731, 0.3418



Deuteranomaly

72.9041, 0.2670, 0.3186



Tritanomaly

76.7436, 0.2428, 0.3276

Monochromacy



Original Color

78.0855, 0.2334, 0.3510



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1956, 0.2655, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0855, 0.2334, 0.3510 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(40, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 78.0855, 0.2334, 0.3510 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(40, 255, 237) }
```

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

```
.border{ border-color:rgb(40, 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(40, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
237) }
```

Background

The CSS property to change the background color of an element to Yxy 78.0855, 0.2334, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 237) }
```

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

```
.background{ background-color: rgb(40, 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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