

Converting Colors

$Y_{xy}(79.3591, 0.2694, 0.3398)$

Have a look what the booklet for
Yxy(79.3591, 0.2694, 0.3398)
contains.

Yxy(79.1475, 0.2695, 0.3392)	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(79.1475, 0.2695, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	A3F5EC
RGB	163, 245, 236
RGB Percent	64%, 96%, 93%
CMY	0.3610, 0.0391, 0.0746
CMYK	0.34, 0.00, 0.04, 0.04
HSL	173°, 80%, 80%
HSV	173°, 34%, 96%
XYZ	62.8840, 79.1475, 91.3043
YIQ	219.4560, -45.9830, -20.1830

Conversions

Conversions Part 2

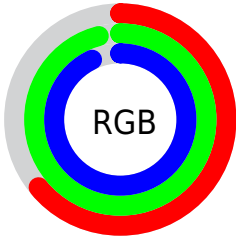
Format	Color
R _Y B	163, 206, 245
Decimal	10745324
CIE Lab	91.30, -26.82, -3.60
CIE LCh	91, 27.062, 187.640
Yxy	79.1475, 0.2695, 0.3392
Android (android.graphics.Color)	4288935404 (0xFFA3F5EC)
YUV	219.4560, 8.1562, -49.5119
Hunter-Lab	88.9649, -29.5175, 1.4263

Details

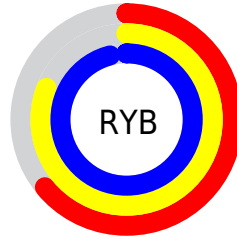
The Yxy color **79.1475, 0.2695, 0.3392** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.5639, 0.3826, 0.3193**, and the grayscale version is **71.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **42.3875, 0.2597, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **76.6557, 0.2591, 0.3427**, and if you desaturate by 10%, it is **82.1489, 0.2813, 0.3359**.

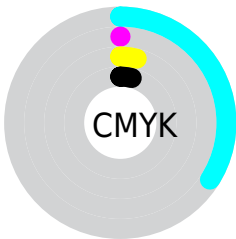
Distribution



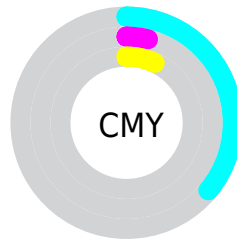
- Red (64%)
- Green (96%)
- Blue (93%)



- Red (64%)
- Yellow (81%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1475, 0.2695, 0.3392 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 79.1475, 0.2695, 0.3392 by changing the saturation by 10% instead.

 79.1475, 0.2695,
0.3392


 79.1475, 0.2695,
0.3392


492.0552, 0.2890,
0.3348

 59.0171, 0.2652,
0.3401


 132.1665, 0.2762,
0.3377

 42.6269, 0.2598,
0.3413


 165.8239, 0.2788,
0.3371

 29.5925, 0.2532,
0.3427


204.7590, 0.2811,
0.3366

 19.5295, 0.2447,
0.3444

249.3563, 0.2831,
0.3362

 12.0535, 0.2333,
0.3466

300.0002, 0.2848,
0.3358

 6.7801, 0.2175,
0.3494

357.0750, 0.2864,

 3.3250, 0.1941,

0.3354

420.9652, 0.2878,
0.3351

0.3531

1.3037, 0.1481,
0.3613

0.1440, 0.0000,
0.2607

79.1475, 0.2695,
0.3392

79.1475, 0.2695,
0.3392

76.6557, 0.2591,
0.3427

82.1489, 0.2813,
0.3359

74.6350, 0.2504,
0.3464

85.6772, 0.2941,
0.3328

73.0565, 0.2436,
0.3502

89.7603, 0.3078,
0.3299

71.8841, 0.2386,
0.3541

93.2775, 0.3181,
0.3273

■ 71.0763, 0.2357,
0.3579

■ 93.4450, 0.3165,
0.3247

■ 70.5822, 0.2345,
0.3617

■ 93.6150, 0.3149,
0.3222

■ 70.3804, 0.2345,
0.3642

■ 93.7874, 0.3132,
0.3196

■ 93.7961, 0.3132,
0.3195

Harmonies

Analogous

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



79.1475, 0.2956, 0.3675



79.1475, 0.2695, 0.3392



79.1475, 0.2551, 0.3094

Triad

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



79.1475, 0.2695, 0.3392



79.1475, 0.2959, 0.2802



79.1475, 0.3734, 0.3677

Complementary

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



79.1475, 0.2695, 0.3392



48.5639, 0.3826, 0.3193

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.



79.1475, 0.3740, 0.3435



79.1475, 0.2695, 0.3392



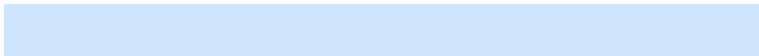
79.1475, 0.3280, 0.2946

Square

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



79.1475, 0.2695, 0.3392



79.1475, 0.2697, 0.2772



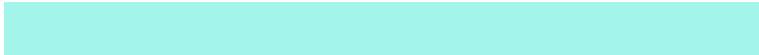
79.1475, 0.3571, 0.3172



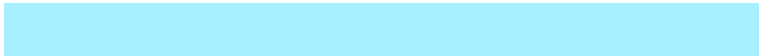
79.1475, 0.3559, 0.3833

Rectangle

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



79.1475, 0.2695, 0.3392



79.1475, 0.2535, 0.2934



79.1475, 0.3571, 0.3172



79.1475, 0.3756, 0.3603

Sweetspot

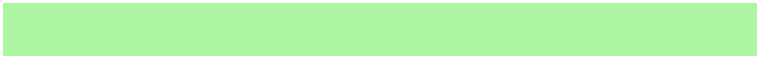
The Sweet Spot groups the original color and five complimentary colors.



79.1507, 0.2695, 0.3392



95.3009, 0.2988, 0.3318



76.7865, 0.3139, 0.4274



20.2677, 0.2969, 0.3322



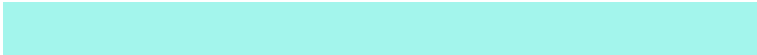
0.0000, 0.0000, 0.0000



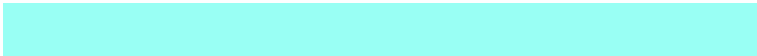
21.4041, 0.3127, 0.3290

Same Dimension

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



79.1507, 0.2695, 0.3392



84.8100, 0.2625, 0.3415



62.2401, 0.2603, 0.2919



18.7245, 0.2995, 0.3316



37.9216, 0.2343, 0.3636



3.3417, 0.2330, 0.3588

Inverse Universe

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



48.5639, 0.3826, 0.3193



46.7311, 0.4032, 0.3175



60.8193, 0.3801, 0.3632



16.5122, 0.3276, 0.3264



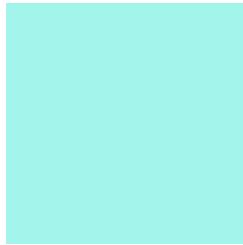
10.5102, 0.6270, 0.3227



0.9333, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 79.1475, 0.2695, 0.3392 looks on a white background.

Color Contrast Check

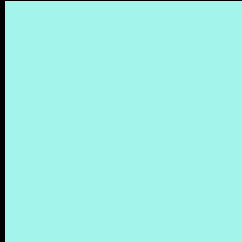
Large Text (above 18pt) WCAG AA × Fail

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 79.1475, 0.2695, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

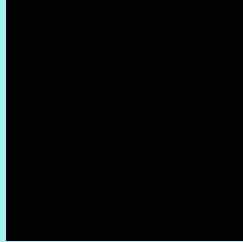
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1475, 0.2695, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 79.1475, 0.2695, 0.3392.

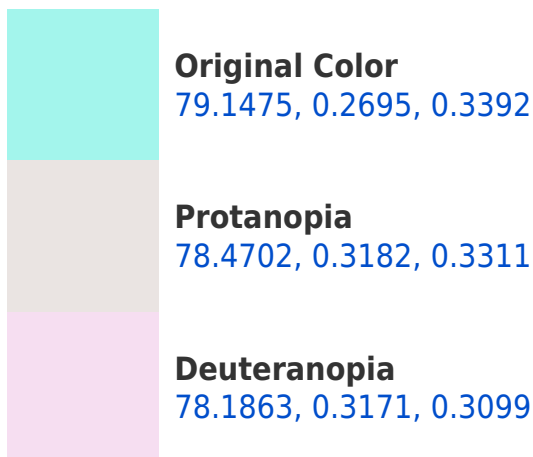


This preview shows how white text looks on a background with the Yxy color 79.1475, 0.2695, 0.3392.

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





Tritanopia

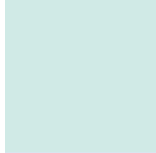
78.8981, 0.2692, 0.3114

Trichromacy



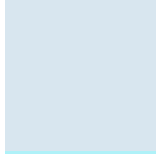
Original Color

79.1475, 0.2695, 0.3392



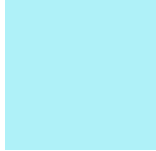
Protanomaly

77.9687, 0.2980, 0.3333



Deuteranomaly

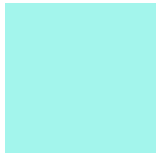
77.4246, 0.2978, 0.3194



Tritanomaly

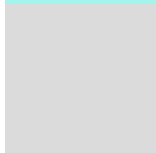
78.8019, 0.2693, 0.3211

Monochromacy



Original Color

79.1475, 0.2695, 0.3392



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.0652, 0.2951, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1475, 0.2695, 0.3392 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(163, 245, 236)` looks like.

```
.text, #text, p{  
    color:rgb(163, 245, 236)  
}
```

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(163, 245, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 245, 236) }
```

Border

The CSS property to change the border of an element to Yxy 79.1475, 0.2695, 0.3392 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(163, 245, 236) }
```

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

```
.border{ border-color:rgb(163, 245, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 245, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 245, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 245, 236);  
box-shadow:4px 4px 4px 4px rgb(163, 245,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1475, 0.2695, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 245, 236) }
```

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

```
.background{ background-color: rgb(163,  
245, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor