

Converting Colors

$Y_{xy}(64.0861, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(64.0861, 0.2355, 0.3530)
contains.

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Color

Yxy(64.3563, 0.2359, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	2FEAD7
RGB	47, 234, 215
RGB Percent	18%, 92%, 84%
CMY	0.8159, 0.0823, 0.1567
CMYK	0.80, 0.00, 0.08, 0.08
HSL	174°, 82%, 55%
HSV	174°, 80%, 92%
XYZ	42.8618, 64.3563, 74.4767
YIQ	175.9210, -105.3530, -45.5530

Conversions

Conversions Part 2

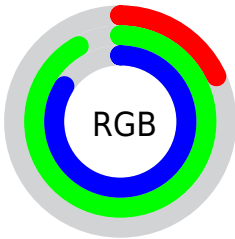
Format	Color
R _Y B	47, 146, 234
Decimal	3140311
CIE Lab	84.15, -48.26, -3.54
CIE LCh	84, 48.390, 184.200
Yxy	64.3563, 0.2359, 0.3542
Android (android.graphics.Color)	4281330391 (0xFF2FEAD7)
YUV	175.9210, 19.2659, -113.0637
Hunter-Lab	80.2224, -45.0189, 1.1121

Details

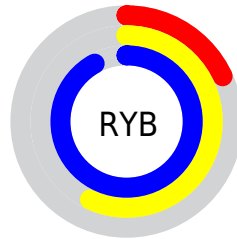
The Yxy color **64.3563, 0.2359, 0.3542** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.9131, 0.5709, 0.3164**, and the grayscale version is **43.3041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **33.9823, 0.2330, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **63.8234, 0.2340, 0.3577**, and if you desaturate by 10%, it is **65.1935, 0.2396, 0.3507**.

Distribution



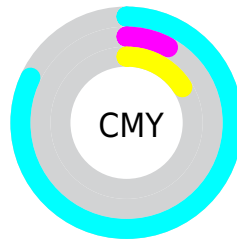
- Red (18%)
- Green (92%)
- Blue (84%)



- Red (18%)
- Yellow (57%)
- Blue (92%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)





- Cyan (82%)
- Magenta (8%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3563, 0.2359, 0.3542 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 64.3563, 0.2359, 0.3542 by changing the saturation by 10% instead.

 64.3563, 0.2359,
0.3542

 64.3563, 0.2359,
0.3542


440.4752, 0.2716,
0.3428

 46.9393, 0.2277,
0.3567


 111.1239, 0.2483,
0.3503


 32.9877, 0.2177,
0.3597


 141.2433, 0.2531,
0.3488

 22.1170, 0.2050,
0.3634

 176.3657, 0.2573,
0.3475

 13.9429, 0.1886,
0.3681

 216.8753, 0.2609,
0.3463

 8.0810, 0.1666,
0.3740

263.1567, 0.2641,
0.3453

 4.1468, 0.1360,
0.3815

315.5942, 0.2669,

 1.7560, 0.0707,

0.3444

0.3993

374.5722, 0.2694,
0.3436

0.4595, 0.0000,
0.3805

0.0000, 0.0000,
0.0000

64.3563, 0.2359,
0.3542

64.3563, 0.2359,
0.3542

63.8234, 0.2340,
0.3577

65.1935, 0.2396,
0.3507


63.5163, 0.2337,
0.3612


66.3693, 0.2453,
0.3472


63.5148, 0.2337,
0.3612


67.9213, 0.2530,
0.3437


69.8804, 0.2624,
0.3404

 72.2741, 0.2733,
0.3372

 75.1275, 0.2856,
0.3343

 78.4640, 0.2988,
0.3315

 82.3051, 0.3128,
0.3290

 86.1866, 0.3255,
0.3267

Harmonies

Analogous

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



64.3563, 0.2845, 0.4119



64.3563, 0.2359, 0.3542



64.3563, 0.2089, 0.2942

Triad

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



64.3563, 0.2359, 0.3542



64.3563, 0.2733, 0.2394



64.3563, 0.4297, 0.3919

Complementary

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



64.3563, 0.2359, 0.3542



19.9131, 0.5709, 0.3164

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.



64.3563, 0.4289, 0.3459



64.3563, 0.2359, 0.3542



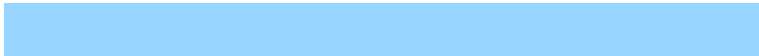
64.3563, 0.3332, 0.2627

Square

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



64.3563, 0.2359, 0.3542



64.3563, 0.2289, 0.2350



64.3563, 0.3923, 0.3004



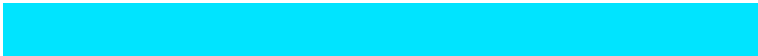
64.3563, 0.3972, 0.4284

Rectangle

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



64.3563, 0.2359, 0.3542



64.3563, 0.2047, 0.2640



64.3563, 0.3923, 0.3004



64.3563, 0.4336, 0.3770

Sweetspot

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



64.3587, 0.2359, 0.3542



89.7897, 0.2803, 0.3355



60.3089, 0.3074, 0.5727



18.9572, 0.2760, 0.3366



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.



64.3587, 0.2359, 0.3542



77.3091, 0.2337, 0.3600



32.4879, 0.2012, 0.2255



17.0940, 0.2995, 0.3314



35.7015, 0.2335, 0.3606



2.8110, 0.2322, 0.3558

Inverse Universe

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



19.9131, 0.5709, 0.3164



21.6029, 0.6234, 0.3233



30.8070, 0.5238, 0.3936



15.0789, 0.3277, 0.3266



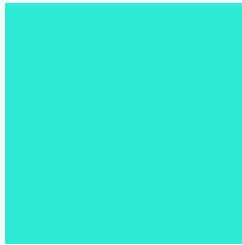
9.8747, 0.6281, 0.3234



0.7838, 0.6018, 0.3089

Previews

White Background



This preview shows how the Yxy color 64.3563, 0.2359, 0.3542 looks on a white background.

Color Contrast Check

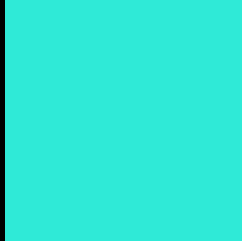
Large Text (above 18pt) WCAG AA × Fail

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 64.3563, 0.2359, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

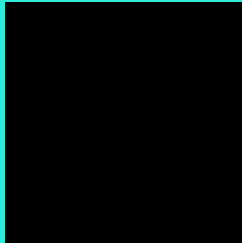
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

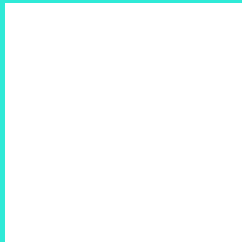
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3563, 0.2359, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 64.3563, 0.2359, 0.3542.

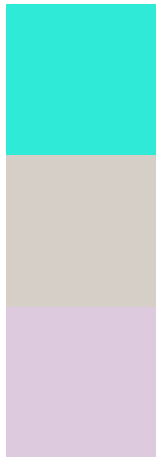


This preview shows how white text looks on a background with the Yxy color 64.3563, 0.2359, 0.3542.

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

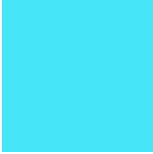
64.3563, 0.2359, 0.3542

Protanopia

63.0919, 0.3230, 0.3370

Deuteranopia

63.0446, 0.3137, 0.3070



Tritanopia

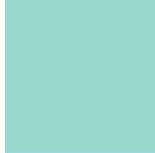
64.1555, 0.2261, 0.3049

Trichromacy



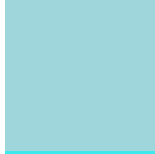
Original Color

64.3563, 0.2359, 0.3542



Protanomaly

60.8058, 0.2772, 0.3441



Deuteranomaly

60.4767, 0.2718, 0.3227



Tritanomaly

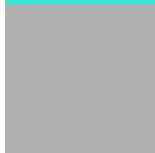
64.2321, 0.2293, 0.3223

Monochromacy



Original Color

64.3563, 0.2359, 0.3542



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.3173, 0.2686, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3563, 0.2359, 0.3542 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(47, 234, 215)` looks like.

```
.text, #text, p{  
    color:rgb(47, 234, 215)  
}
```

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(47, 234, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 234, 215) }
```

Border

The CSS property to change the border of an element to Yxy 64.3563, 0.2359, 0.3542 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(47, 234, 215) }
```

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

```
.border{ border-color:rgb(47, 234, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 234, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 234, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 234, 215);  
box-shadow:4px 4px 4px 4px rgb(47, 234,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3563, 0.2359, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 234, 215) }
```

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

```
.background{ background-color: rgb(47, 234,  
215) }
```

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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