

Converting Colors

$Y_{xy}(64.3222, 0.2275, 0.3345)$

Have a look what the booklet for
Yxy(64.3222, 0.2275, 0.3345)
contains.

Yxy(64.1292, 0.2274, 0.3340)	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(64.1292, 0.2274, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	18E9E5
RGB	24, 233, 229
RGB Percent	9%, 91%, 90%
CMY	0.9053, 0.0863, 0.1019
CMYK	0.90, 0.00, 0.02, 0.09
HSL	179°, 83%, 50%
HSV	179°, 90%, 91%
XYZ	43.6616, 64.1292, 84.2128
YIQ	170.0530, -123.2800, -45.5520

Conversions

Conversions Part 2

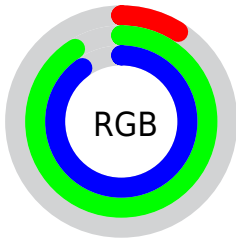
Format	Color
R_{YB}	24, 130, 233
Decimal	1632741
CIE _{Lab}	84.03, -45.38, -11.11
CIE _{LCh}	84, 46.722, 193.761
Yxy	64.1292, 0.2274, 0.3340
Android (android.graphics.Color)	4279822821 (0xFF18E9E5)
YUV	170.0530, 29.0609, -128.0885
Hunter-Lab	80.0807, -42.8194, -6.2928

Details

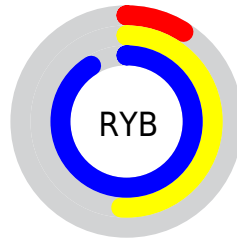
The Yxy color **64.1292, 0.2274, 0.3340** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.0675, 0.6207, 0.3285**, and the grayscale version is **40.1483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **34.1067, 0.2256, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **63.9162, 0.2263, 0.3346**, and if you desaturate by 10%, it is **64.5755, 0.2299, 0.3334**.

Distribution



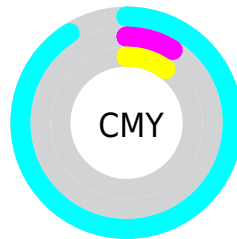
- Red (9%)
- Green (91%)
- Blue (90%)



- Red (9%)
- Yellow (51%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1292, 0.2274, 0.3340 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 64.1292, 0.2274, 0.3340 by changing the saturation by 10% instead.


 64.1292, 0.2274,
0.3340

 64.1292, 0.2274,
0.3340


439.6561, 0.2666,
0.3328


 46.7553, 0.2186,
0.3340


 110.7970, 0.2409,
0.3338

 32.8423, 0.2078,
0.3338


 140.8597, 0.2462,
0.3337

 22.0056, 0.1943,
0.3332


 175.9208, 0.2508,
0.3336

 13.8610, 0.1770,
0.3321

 216.3647, 0.2547,
0.3334

 8.0241, 0.1542,
0.3296

 262.5758, 0.2583,
0.3333

 4.1104, 0.1234,
0.3242

314.9384, 0.2614,

 1.7355, 0.0672,

0.3331

0.3161

373.8370, 0.2641,
0.3330

■ 0.4465, 0.0000,
0.2564

■ 0.0000, 0.0000,
0.0000

■ 64.1292, 0.2274,
0.3340

■ 64.1292, 0.2274,
0.3340

■ 63.9162, 0.2263,
0.3346

■ 64.5755, 0.2299,
0.3334

■ 63.9099, 0.2263,
0.3346

■ 65.3155, 0.2343,
0.3328

■ 66.3927, 0.2406,
0.3322

■ 67.8416, 0.2488,
0.3316

■ 69.6926, 0.2589,
0.3310

■ 71.9728, 0.2707,
0.3304

■ 74.7072, 0.2838,
0.3299

■ 77.9187, 0.2981,
0.3294

■ 81.6286, 0.3133,
0.3290

Harmonies

Analogous

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



64.1292, 0.2688, 0.3932



64.1292, 0.2274, 0.3340



64.1292, 0.2087, 0.2803

Triad

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



64.1292, 0.2274, 0.3340



64.1292, 0.2921, 0.2474



64.1292, 0.4191, 0.4031

Complementary

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



64.1292, 0.2274, 0.3340



18.0675, 0.6207, 0.3285

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.



64.1292, 0.4293, 0.3602



64.1292, 0.2274, 0.3340



64.1292, 0.3519, 0.2751

Square

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



64.1292, 0.2274, 0.3340



64.1292, 0.2431, 0.2370



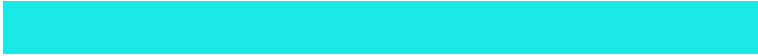
64.1292, 0.4042, 0.3150



64.1292, 0.3797, 0.4321

Rectangle

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



64.1292, 0.2274, 0.3340



64.1292, 0.2097, 0.2557



64.1292, 0.4042, 0.3150



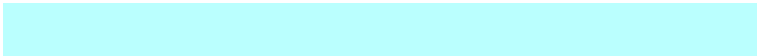
64.1292, 0.4262, 0.3897

Sweetspot

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



64.1316, 0.2274, 0.3340



89.1135, 0.2738, 0.3303



58.6374, 0.3014, 0.5915



18.8451, 0.2695, 0.3305



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.



64.1316, 0.2274, 0.3340



78.4303, 0.2263, 0.3347



23.5570, 0.1865, 0.1844



17.1166, 0.2984, 0.3294



36.2661, 0.2263, 0.3345



2.8494, 0.2260, 0.3337

Inverse Universe

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



18.0675, 0.6207, 0.3285



21.2707, 0.6387, 0.3292



31.2142, 0.5308, 0.4072



15.0587, 0.3290, 0.3286



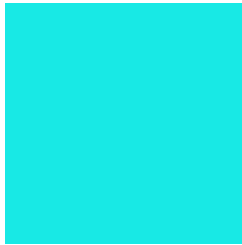
9.8374, 0.6380, 0.3288



0.7741, 0.6324, 0.3257

Previews

White Background



This preview shows how the Yxy color 64.1292, 0.2274, 0.3340 looks on a white background.

Color Contrast Check

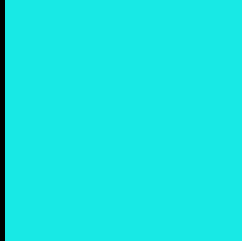
Large Text (above 18pt) WCAG AA × Fail

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 64.1292, 0.2274, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

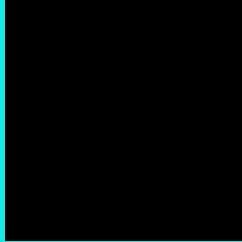
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1292, 0.2274, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 64.1292, 0.2274, 0.3340.

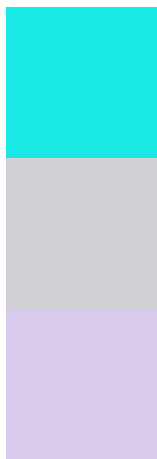


This preview shows how white text looks on a background with the Yxy color 64.1292, 0.2274, 0.3340.

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

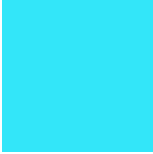
64.1292, 0.2274, 0.3340

Protanopia

63.1314, 0.3108, 0.3222

Deuteranopia

62.7443, 0.2988, 0.2917



Tritanopia

64.1370, 0.2222, 0.3048

Trichromacy



Original Color

64.1292, 0.2274, 0.3340



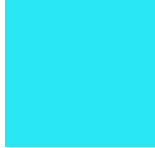
Protanomaly

59.9770, 0.2628, 0.3251



Deuteranomaly

59.5827, 0.2571, 0.3042



Tritanomaly

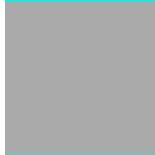
64.0340, 0.2237, 0.3146

Monochromacy



Original Color

64.1292, 0.2274, 0.3340



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

45.6834, 0.2600, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1292, 0.2274, 0.3340 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(24, 233, 229)` looks like.

```
.text, #text, p{  
    color:rgb(24, 233, 229)  
}
```

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(24, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 233, 229) }
```

Border

The CSS property to change the border of an element to Yxy 64.1292, 0.2274, 0.3340 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(24, 233, 229) }
```

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

```
.border{ border-color:rgb(24, 233, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 233, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(24, 233,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1292, 0.2274, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 233, 229) }
```

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

```
.background{ background-color: rgb(24, 233,  
229) }
```

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