

Converting Colors

$Y_{xy}(65.3092, 0.2355, 0.3529)$

Have a look what the booklet for
Yxy(65.3092, 0.2355, 0.3529)
contains.

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Color

Yxy(65.0308, 0.2355, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	2FEBD9
RGB	47, 235, 217
RGB Percent	18%, 92%, 85%
CMY	0.8148, 0.0784, 0.1491
CMYK	0.80, 0.00, 0.08, 0.08
HSL	174°, 82%, 55%
HSV	174°, 80%, 92%
XYZ	43.4092, 65.0308, 75.8877
YIQ	176.7360, -106.2700, -45.4540

Conversions

Conversions Part 2

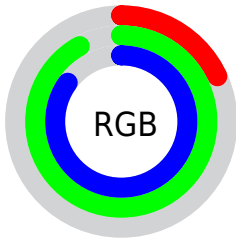
Format	Color
RYB	47, 146, 235
Decimal	3140569
CIELab	84.50, -48.14, -4.05
CIELCh	84, 48.307, 184.808
Yxy	65.0308, 0.2355, 0.3528
Android (android.graphics.Color)	4281330649 (0xFF2FEBD9)
YUV	176.7360, 19.8502, -113.7785
Hunter-Lab	80.6417, -45.0369, 0.6544

Details

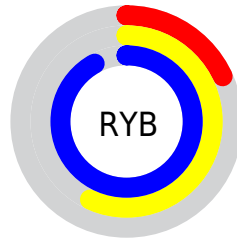
The Yxy color **65.0308, 0.2355, 0.3528** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.0982, 0.5721, 0.3172**, and the grayscale version is **43.7920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **34.4494, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **64.4977, 0.2336, 0.3561**, and if you desaturate by 10%, it is **65.8711, 0.2393, 0.3495**.

Distribution



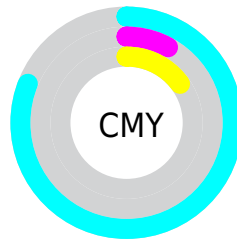
- Red (18%)
- Green (92%)
- Blue (85%)



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



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





- Cyan (81%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0308, 0.2355, 0.3528 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 65.0308, 0.2355, 0.3528 by changing the saturation by 10% instead.


 65.0308, 0.2355,
0.3528


 65.0308, 0.2355,
0.3528


442.9026, 0.2713,
0.3422

 47.4861, 0.2274,
0.3551


 112.0941, 0.2479,
0.3492

 33.4201, 0.2173,
0.3579


 142.3815, 0.2527,
0.3478

 22.4484, 0.2047,
0.3613

 177.6852, 0.2569,
0.3465

 14.1868, 0.1883,
0.3655

 218.3897, 0.2605,
0.3454

 8.2507, 0.1665,
0.3708

264.8792, 0.2637,
0.3445

 4.2558, 0.1362,
0.3773

317.5383, 0.2665,

 1.8176, 0.0755,

0.3436

0.3917

376.7513, 0.2691,
0.3429

■ 0.4981, 0.0000,
0.3764

■ 0.0000, 0.0000,
0.0000

■ 65.0308, 0.2355,
0.3528

■ 65.0308, 0.2355,
0.3528

■ 64.4977, 0.2336,
0.3561

■ 65.8711, 0.2393,
0.3495


■ 64.1933, 0.2332,
0.3594

■ 67.0534, 0.2450,
0.3462


■ 64.1906, 0.2332,
0.3594


■ 68.6157, 0.2527,
0.3429


■ 70.5890, 0.2621,
0.3398

 73.0013, 0.2731,
0.3368

 75.8778, 0.2855,
0.3340

 79.2421, 0.2988,
0.3314

 83.1161, 0.3129,
0.3290

 86.8058, 0.3248,
0.3268

Harmonies

Analogous

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



65.0308, 0.2836, 0.4105



65.0308, 0.2355, 0.3528



65.0308, 0.2091, 0.2934

Triad

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



65.0308, 0.2355, 0.3528



65.0308, 0.2746, 0.2401



65.0308, 0.4288, 0.3925

Complementary

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



65.0308, 0.2355, 0.3528



20.0982, 0.5721, 0.3172

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.



65.0308, 0.4287, 0.3468



65.0308, 0.2355, 0.3528



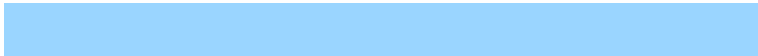
65.0308, 0.3344, 0.2637

Square

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



65.0308, 0.2355, 0.3528



65.0308, 0.2300, 0.2353



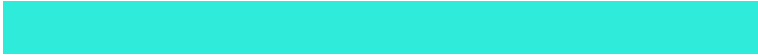
65.0308, 0.3929, 0.3014



65.0308, 0.3959, 0.4284

Rectangle

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



65.0308, 0.2355, 0.3528



65.0308, 0.2052, 0.2636



65.0308, 0.3929, 0.3014



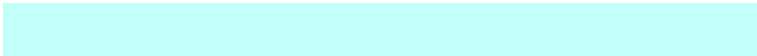
65.0308, 0.4328, 0.3778

Sweetspot

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



65.0333, 0.2355, 0.3528



89.8102, 0.2801, 0.3351



60.7809, 0.3064, 0.5735



18.9623, 0.2758, 0.3361



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.



65.0333, 0.2355, 0.3528



77.3834, 0.2332, 0.3582



31.7121, 0.2000, 0.2208



17.0955, 0.2994, 0.3313



35.7364, 0.2330, 0.3589



2.8134, 0.2318, 0.3543

Inverse Universe

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



20.0982, 0.5721, 0.3172



21.5952, 0.6243, 0.3238



31.8714, 0.5202, 0.3968



15.0775, 0.3278, 0.3268



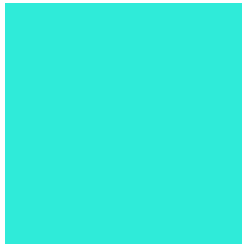
9.8715, 0.6289, 0.3238



0.7831, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 65.0308, 0.2355, 0.3528 looks on a white background.

Color Contrast Check

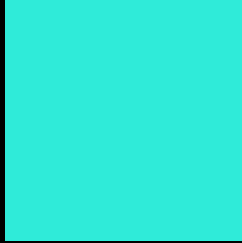
Large Text (above 18pt) WCAG AA × Fail

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 65.0308, 0.2355, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

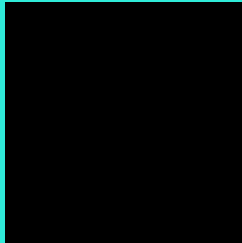
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

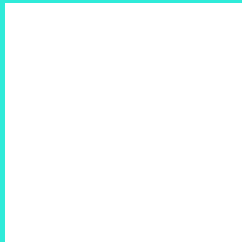
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.0308, 0.2355, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 65.0308, 0.2355, 0.3528.

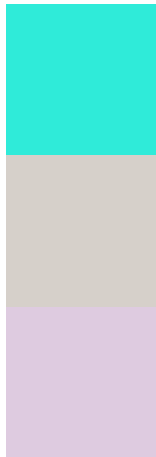


This preview shows how white text looks on a background with the Yxy color 65.0308, 0.2355, 0.3528.

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

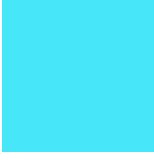
65.0308, 0.2355, 0.3528

Protanopia

63.6722, 0.3215, 0.3359

Deuteranopia

63.6233, 0.3123, 0.3060



Tritanopia

64.7728, 0.2260, 0.3050

Trichromacy



Original Color

65.0308, 0.2355, 0.3528



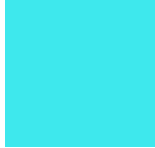
Protanomaly

61.4201, 0.2761, 0.3428



Deuteranomaly

61.0904, 0.2708, 0.3215



Tritanomaly

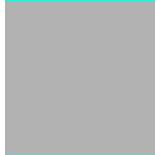
64.8518, 0.2293, 0.3223

Monochromacy



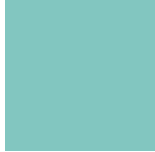
Original Color

65.0308, 0.2355, 0.3528



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.9398, 0.2682, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0308, 0.2355, 0.3528 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, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(47, 235, 217)  
}
```

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, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 235, 217) }
```

Border

The CSS property to change the border of an element to Yxy 65.0308, 0.2355, 0.3528 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, 235, 217) }
```

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

```
.border{ border-color:rgb(47, 235, 217) }
```

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

Here you see how a box with a 4 pixel rgb(47, 235, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(47, 235,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0308, 0.2355, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 235, 217) }
```

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

```
.background{ background-color: rgb(47, 235,  
217) }
```

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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