

Converting Colors

$Y_{xy}(63.1925, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(63.1925, 0.2355, 0.3530)
contains.

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Color

Yxy(63.1491, 0.2355, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	2EE8D6
RGB	46, 232, 214
RGB Percent	18%, 91%, 84%
CMY	0.8198, 0.0902, 0.1608
CMYK	0.80, 0.00, 0.08, 0.09
HSL	174°, 80%, 55%
HSV	174°, 80%, 91%
XYZ	42.1173, 63.1491, 73.5756
YIQ	174.3340, -105.0780, -45.0300

Conversions

Conversions Part 2

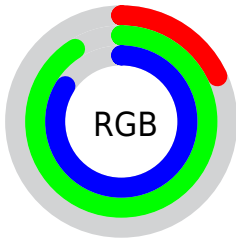
Format	Color
RYB	46, 144, 232
Decimal	3074262
CIELab	83.52, -47.78, -3.92
CIELCh	84, 47.937, 184.687
Yxy	63.1491, 0.2355, 0.3531
Android (android.graphics.Color)	4281264342 (0xFF2EE8D6)
YUV	174.3340, 19.5553, -112.5489
Hunter-Lab	79.4664, -44.4610, 0.7316




Details

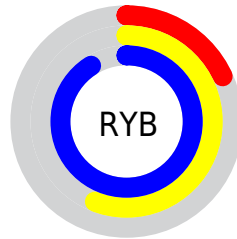
The Yxy color **63.1491, 0.2355, 0.3531** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.4779, 0.5729, 0.3172**, and the grayscale version is **42.4406, 0.3127, 0.3290**.




A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **33.1631, 0.2326, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **62.6369, 0.2336, 0.3564**, and if you desaturate by 10%, it is **63.9583, 0.2392, 0.3497**.

Distribution







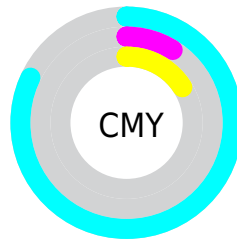
-  Red (18%)
-  Green (91%)
-  Blue (84%)






-  Red (18%)
-  Yellow (56%)
-  Blue (91%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (8%)
-  Black (9%)





-  Cyan (82%)
-  Magenta (9%)
-  Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1491, 0.2355, 0.3531 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 63.1491, 0.2355, 0.3531 by changing the saturation by 10% instead.


 63.1491, 0.2355,
0.3531


 63.1491, 0.2355,
0.3531

436.1104, 0.2715,
0.3423

 45.9618, 0.2273,
0.3555


 109.3846, 0.2480,
0.3494


 32.2157, 0.2171,
0.3583


 139.2016, 0.2529,
0.3480

 21.5263, 0.2043,
0.3618


 173.9973, 0.2571,
0.3467

 13.5093, 0.1876,
0.3662

 214.1562, 0.2607,
0.3456

 7.7802, 0.1652,
0.3717

260.0625, 0.2639,
0.3446

 3.9546, 0.1340,
0.3785

312.1007, 0.2667,

 1.6482, 0.0618,

0.3437

0.3975

370.6552, 0.2692,
0.3430

■ 0.3898, 0.0000,
0.3582

■ 0.0000, 0.0000,
0.0000

■ 63.1491, 0.2355,
0.3531

■ 63.1491, 0.2355,
0.3531

■ 62.6369, 0.2336,
0.3564


■ 63.9583, 0.2392,
0.3497

■ 62.3472, 0.2332,
0.3597


■ 65.0984, 0.2449,
0.3464


■ 66.6063, 0.2525,
0.3431


■ 68.5123, 0.2619,
0.3400

 70.8433, 0.2729,
0.3369

 73.6241, 0.2851,
0.3341

 76.8775, 0.2984,
0.3315

 80.6248, 0.3124,
0.3290

 84.8858, 0.3269,
0.3269

Harmonies

Analogous

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



63.1491, 0.2837, 0.4109



63.1491, 0.2355, 0.3531



63.1491, 0.2089, 0.2935

Triad

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



63.1491, 0.2355, 0.3531



63.1491, 0.2743, 0.2399



63.1491, 0.4291, 0.3925

Complementary

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



63.1491, 0.2355, 0.3531



19.4779, 0.5729, 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.



63.1491, 0.4289, 0.3466



63.1491, 0.2355, 0.3531



63.1491, 0.3342, 0.2634

Square

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



63.1491, 0.2355, 0.3531



63.1491, 0.2297, 0.2352



63.1491, 0.3929, 0.3011



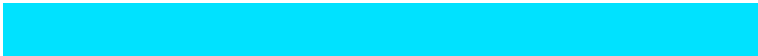
63.1491, 0.3962, 0.4285

Rectangle

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



63.1491, 0.2355, 0.3531



63.1491, 0.2050, 0.2636



63.1491, 0.3929, 0.3011



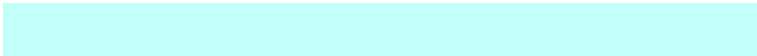
63.1491, 0.4331, 0.3777

Sweetspot

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



63.1515, 0.2355, 0.3531



89.8069, 0.2802, 0.3352



59.0233, 0.3063, 0.5739



18.9615, 0.2758, 0.3362



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.



63.1515, 0.2355, 0.3531



77.3715, 0.2333, 0.3585



30.7200, 0.1998, 0.2204



16.3111, 0.2994, 0.3313



34.6207, 0.2331, 0.3591



2.5654, 0.2318, 0.3543

Inverse Universe

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



19.4779, 0.5729, 0.3172



21.5964, 0.6241, 0.3237



30.8782, 0.5209, 0.3968



14.3906, 0.3277, 0.3268



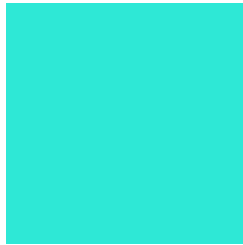
9.5656, 0.6286, 0.3237



0.7146, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 63.1491, 0.2355, 0.3531 looks on a white background.

Color Contrast Check

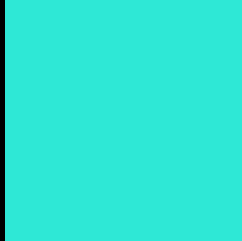
Large Text (above 18pt) WCAG AA × Fail

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 63.1491, 0.2355, 0.3531 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

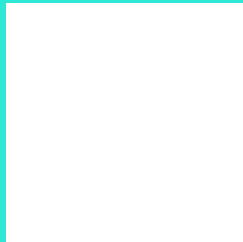
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1491, 0.2355, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 63.1491, 0.2355, 0.3531.

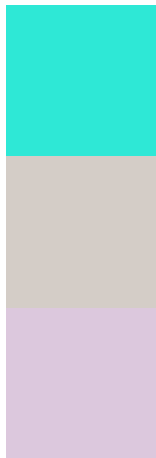


This preview shows how white text looks on a background with the Yxy color 63.1491, 0.2355, 0.3531.

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

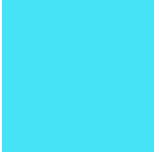
63.1491, 0.2355, 0.3531

Protanopia

61.7832, 0.3224, 0.3359

Deuteranopia

61.7447, 0.3130, 0.3057



Tritanopia

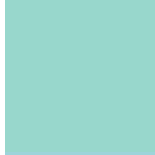
62.8941, 0.2259, 0.3047

Trichromacy



Original Color

63.1491, 0.2355, 0.3531



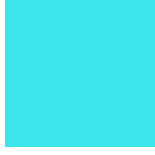
Protanomaly

59.6359, 0.2769, 0.3430



Deuteranomaly

59.3170, 0.2715, 0.3214



Tritanomaly

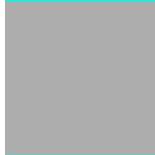
62.9712, 0.2292, 0.3223

Monochromacy



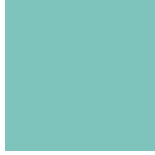
Original Color

63.1491, 0.2355, 0.3531



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.2164, 0.2676, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1491, 0.2355, 0.3531 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(46, 232, 214)` looks like.

```
.text, #text, p{  
  color:rgb(46, 232, 214)  
}
```

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(46, 232, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 232, 214) }
```

Border

The CSS property to change the border of an element to Yxy 63.1491, 0.2355, 0.3531 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(46, 232, 214) }
```

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

```
.border{ border-color:rgb(46, 232, 214) }
```

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

Here you see how a box with a 4 pixel rgb(46, 232, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 232, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 232, 214);  
box-shadow:4px 4px 4px 4px rgb(46, 232,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1491, 0.2355, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 232, 214) }
```

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

```
.background{ background-color: rgb(46, 232,  
214) }
```

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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