

Converting Colors

$Yxy(62.6593, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(62.6593, 0.2355, 0.3530)
contains.

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Color

Yxy(62.5368, 0.2356, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	2EE7D5
RGB	46, 231, 213
RGB Percent	18%, 91%, 84%
CMY	0.8190, 0.0941, 0.1648
CMYK	0.80, 0.00, 0.08, 0.09
HSL	174°, 79%, 54%
HSV	174°, 80%, 91%
XYZ	41.7148, 62.5368, 72.8061
YIQ	173.6330, -104.4820, -44.8180

Conversions

Conversions Part 2

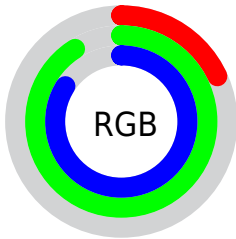
Format	Color
RYB	46, 143, 231
Decimal	3074005
CIELab	83.20, -47.60, -3.86
CIELCh	83, 47.760, 184.635
Yxy	62.5368, 0.2356, 0.3532
Android (android.graphics.Color)	4281264085 (0xFF2EE7D5)
YUV	173.6330, 19.4079, -111.9341
Hunter-Lab	79.0802, -44.2316, 0.7701

Details

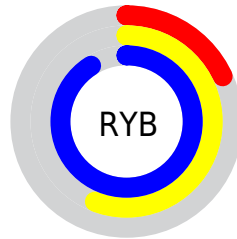
The Yxy color **62.5368, 0.2356, 0.3532** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.3267, 0.5719, 0.3170**, and the grayscale version is **42.0905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **32.7407, 0.2326, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **62.0240, 0.2337, 0.3566**, and if you desaturate by 10%, it is **63.3444, 0.2394, 0.3498**.

Distribution



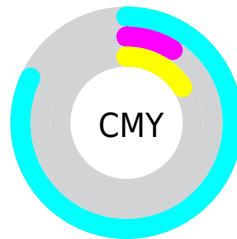
- Red (18%)
- Green (91%)
- Blue (84%)



- 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 62.5368, 0.2356, 0.3532 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 62.5368, 0.2356, 0.3532 by changing the saturation by 10% instead.


 62.5368, 0.2356,
0.3532


 62.5368, 0.2356,
0.3532


433.8865, 0.2716,
0.3423


 45.4666, 0.2273,
0.3556

 108.5010, 0.2481,
0.3495


 31.8251, 0.2171,
0.3585


 138.1637, 0.2530,
0.3480

 21.2279, 0.2042,
0.3620


 172.7928, 0.2572,
0.3468

 13.2907, 0.1875,
0.3665

 212.7726, 0.2608,
0.3456

 7.6290, 0.1649,
0.3721

258.4874, 0.2640,
0.3447

 3.8585, 0.1335,
0.3790

310.3218, 0.2669,

 1.5947, 0.0568,

0.3438

0.3998

368.6600, 0.2694,
0.3430

■ 0.3540, 0.0000,
0.3508

■ 0.0000, 0.0000,
0.0000

■ 62.5368, 0.2356,
0.3532

■ 62.5368, 0.2356,
0.3532

■ 62.0240, 0.2337,
0.3566


■ 63.3444, 0.2394,
0.3498


■ 61.7296, 0.2333,
0.3599


■ 64.4801, 0.2451,
0.3465


■ 65.9805, 0.2527,
0.3432


■ 67.8753, 0.2621,
0.3400

 70.1913, 0.2731,
0.3369

 72.9530, 0.2854,
0.3341

 76.1827, 0.2987,
0.3314

 79.9016, 0.3127,
0.3290

 84.1293, 0.3271,
0.3268

Harmonies

Analogous

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



62.5368, 0.2838, 0.4109



62.5368, 0.2356, 0.3532



62.5368, 0.2090, 0.2936

Triad

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



62.5368, 0.2356, 0.3532



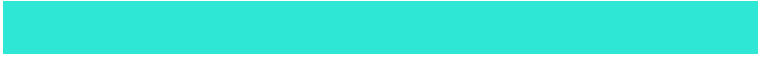
62.5368, 0.2743, 0.2399



62.5368, 0.4291, 0.3924

Complementary

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



62.5368, 0.2356, 0.3532



19.3267, 0.5719, 0.3170

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.



62.5368, 0.4288, 0.3465



62.5368, 0.2356, 0.3532



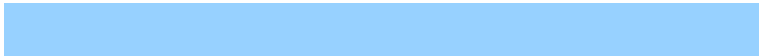
62.5368, 0.3341, 0.2634

Square

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



62.5368, 0.2356, 0.3532



62.5368, 0.2297, 0.2352



62.5368, 0.3928, 0.3011



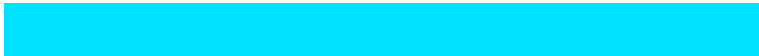
62.5368, 0.3963, 0.4284

Rectangle

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



62.5368, 0.2356, 0.3532



62.5368, 0.2051, 0.2637



62.5368, 0.3928, 0.3011



62.5368, 0.4331, 0.3776

Sweetspot

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



62.5392, 0.2356, 0.3532



89.8045, 0.2802, 0.3352



58.4618, 0.3064, 0.5736



18.9609, 0.2758, 0.3363



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.



62.5392, 0.2356, 0.3532



77.3627, 0.2334, 0.3587



30.4879, 0.2000, 0.2207



16.3109, 0.2995, 0.3313



34.6167, 0.2332, 0.3593



2.5651, 0.2318, 0.3544

Inverse Universe

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



19.3267, 0.5719, 0.3170



21.5973, 0.6240, 0.3237



30.6417, 0.5203, 0.3968



14.3907, 0.3277, 0.3267



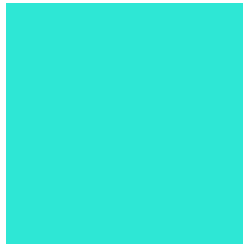
9.5660, 0.6285, 0.3236



0.7147, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 62.5368, 0.2356, 0.3532 looks on a white background.

Color Contrast Check

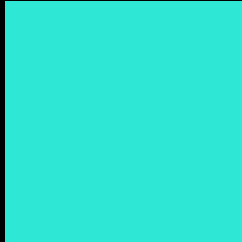
Large Text (above 18pt) WCAG AA × Fail

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 62.5368, 0.2356, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

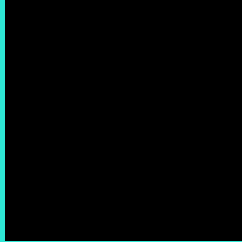
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

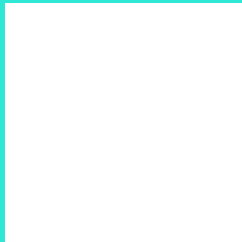
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.5368, 0.2356, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 62.5368, 0.2356, 0.3532.

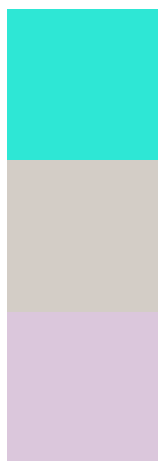


This preview shows how white text looks on a background with the Yxy color 62.5368, 0.2356, 0.3532.

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

62.5368, 0.2356, 0.3532

Protanopia

61.5887, 0.3223, 0.3371

Deuteranopia

61.0742, 0.3130, 0.3056



Tritanopia

62.2874, 0.2260, 0.3046

Trichromacy



Original Color

62.5368, 0.2356, 0.3532



Protanomaly

58.9842, 0.2768, 0.3430



Deuteranomaly

58.6662, 0.2713, 0.3214



Tritanomaly

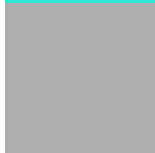
62.3621, 0.2293, 0.3222

Monochromacy



Original Color

62.5368, 0.2356, 0.3532



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

47.2502, 0.2688, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5368, 0.2356, 0.3532 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, 231, 213)` looks like.

```
.text, #text, p{  
    color:rgb(46, 231, 213)  
}
```

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, 231, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 231, 213) }
```

Border

The CSS property to change the border of an element to Yxy 62.5368, 0.2356, 0.3532 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, 231, 213) }
```

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

```
.border{ border-color:rgb(46, 231, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 231, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 231, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 231, 213);  
box-shadow:4px 4px 4px 4px rgb(46, 231,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5368, 0.2356, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 231, 213) }
```

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

```
.background{ background-color: rgb(46, 231,  
213) }
```

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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