

Converting Colors

$Y_{xy}(62.3150, 0.2231, 0.3058)$

Have a look what the booklet for
Yxy(62.3150, 0.2231, 0.3058)
contains.

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Color

Yxy(62.3150, 0.2231, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	36E3F5
RGB	54, 227, 245
RGB Percent	21%, 89%, 96%
CMY	0.7888, 0.1097, 0.0393
CMYK	0.78, 0.07, 0.00, 0.04
HSL	186°, 91%, 59%
HSV	186°, 78%, 96%
XYZ	45.4626, 62.3150, 95.9993
YIQ	177.3250, -108.8860, -31.0780

Conversions

Conversions Part 2

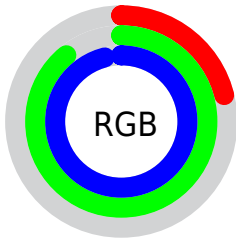
Format	Color
RYB	54, 145, 245
Decimal	3597301
CIELab	83.08, -36.04, -20.95
CIElCh	83, 41.689, 210.167
Yxy	62.3150, 0.2231, 0.3058
Android (android.graphics.Color)	4281787381 (0xFF36E3F5)
YUV	177.3250, 33.3638, -108.1560
Hunter-Lab	78.9399, -35.3439, -16.8451




Details

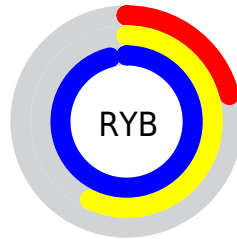
The Yxy color **62.3150, 0.2231, 0.3058** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **24.2852, 0.5727, 0.3424**, and the grayscale version is **43.9894, 0.3127, 0.3290**.




A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **32.7999, 0.2163, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **60.5521, 0.2191, 0.3025**, and if you desaturate by 10%, it is **64.4399, 0.2291, 0.3091**.

Distribution







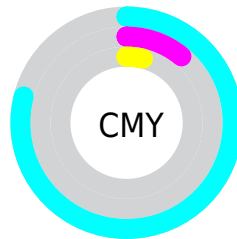
-  Red (21%)
-  Green (89%)
-  Blue (96%)






-  Red (21%)
-  Yellow (57%)
-  Blue (96%)



-  Cyan (78%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (4%)





-  Cyan (79%)
-  Magenta (11%)
-  Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3150, 0.2231, 0.3058 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 62.3150, 0.2231, 0.3058 by changing the saturation by 10% instead.


 62.3150, 0.2231,
0.3058


 62.3150, 0.2231,
0.3058


433.0792, 0.2641,
0.3182


 45.2873, 0.2140,
0.3026


 108.1807, 0.2372,
0.3104


 31.6838, 0.2028,
0.2984


 137.7874, 0.2427,
0.3121

 21.1201, 0.1890,
0.2928


 172.3559, 0.2475,
0.3136

 13.2118, 0.1713,
0.2849

 212.2706, 0.2516,
0.3148

 7.5746, 0.1484,
0.2735

257.9159, 0.2553,
0.3158

 3.8239, 0.1179,
0.2555

309.6762, 0.2586,

 1.5756, 0.0713,

0.3167

0.2263

367.9358, 0.2615,
0.3175

0.3410, 0.0000,
0.1383

0.0000, 0.0000,
0.0000

62.3150, 0.2231,
0.3058

62.3150, 0.2231,
0.3058

60.5521, 0.2191,
0.3025

64.4399, 0.2291,
0.3091


59.0824, 0.2167,
0.2993

66.9651, 0.2370,
0.3124


58.8081, 0.2163,
0.2987


69.9313, 0.2468,
0.3156


73.3722, 0.2583,
0.3187

 77.3182, 0.2712,
0.3217

 81.7969, 0.2853,
0.3245

 86.8342, 0.3003,
0.3271

 92.4539, 0.3158,
0.3295

 94.8248, 0.3190,
0.3317

Harmonies

Analogous

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



62.3150, 0.2504, 0.3585



62.3150, 0.2231, 0.3058



62.3150, 0.2180, 0.2663

Triad

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



62.3150, 0.2231, 0.3058



62.3150, 0.3236, 0.2668



62.3150, 0.3924, 0.4132

Complementary

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



62.3150, 0.2231, 0.3058



24.2852, 0.5727, 0.3424

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.



62.3150, 0.4168, 0.3804



62.3150, 0.2231, 0.3058



62.3150, 0.3759, 0.2991

Square

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



62.3150, 0.2231, 0.3058



62.3150, 0.2722, 0.2481



62.3150, 0.4112, 0.3393



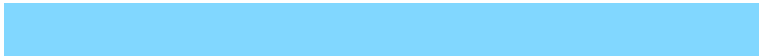
62.3150, 0.3475, 0.4251

Rectangle

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



62.3150, 0.2231, 0.3058



62.3150, 0.2270, 0.2511



62.3150, 0.4112, 0.3393



62.3150, 0.4034, 0.4039

Sweetspot

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



62.3173, 0.2231, 0.3058



87.0557, 0.2781, 0.3231



66.5113, 0.2975, 0.5612



18.2619, 0.2730, 0.3221



0.0000, 0.0000, 0.0000



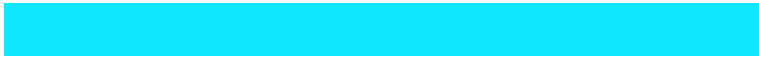
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.3173, 0.2231, 0.3058



65.3021, 0.2174, 0.3006



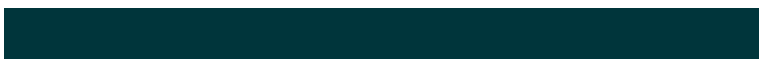
24.2813, 0.1884, 0.1730



18.4758, 0.2981, 0.3267



31.7986, 0.2165, 0.2992



2.8709, 0.2176, 0.3033

Inverse Universe

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



27.5804, 0.3394, 0.1772



27.4631, 0.3448, 0.1690



46.7082, 0.4786, 0.4313



16.7399, 0.3152, 0.3078



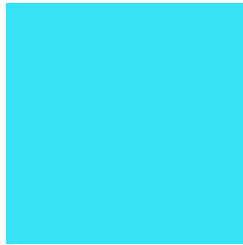
13.3095, 0.3461, 0.1680



1.1775, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 62.3150, 0.2231, 0.3058 looks on a white background.

Color Contrast Check

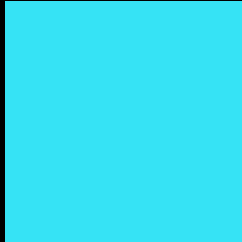
Large Text (above 18pt) WCAG AA × Fail

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 62.3150, 0.2231, 0.3058 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 62.3150, 0.2231, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 62.3150, 0.2231, 0.3058.

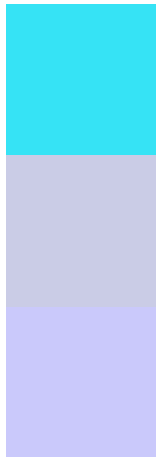


This preview shows how white text looks on a background with the Yxy color 62.3150, 0.2231, 0.3058.

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

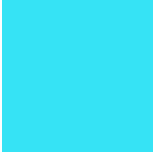
62.3150, 0.2231, 0.3058

Protanopia

61.4555, 0.2935, 0.2994

Deuteranopia

61.2949, 0.2800, 0.2739



Tritanopia

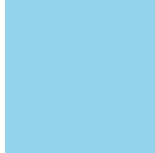
62.3150, 0.2231, 0.3058

Trichromacy



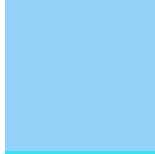
Original Color

62.3150, 0.2231, 0.3058



Protanomaly

59.3810, 0.2569, 0.3006



Deuteranomaly

59.2286, 0.2495, 0.2822



Tritanomaly

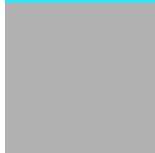
62.3150, 0.2231, 0.3058

Monochromacy



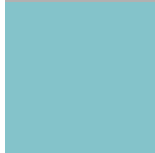
Original Color

62.3150, 0.2231, 0.3058



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.2000, 0.2629, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3150, 0.2231, 0.3058 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(54, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(54, 227, 245)  
}
```

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(54, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 227, 245) }
```

Border

The CSS property to change the border of an element to Yxy 62.3150, 0.2231, 0.3058 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(54, 227, 245) }
```

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

```
.border{ border-color:rgb(54, 227, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 227, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(54, 227,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3150, 0.2231, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 227, 245) }
```

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

```
.background{ background-color: rgb(54, 227,  
245) }
```

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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