

Converting Colors

$Yxy(62.4440, 0.2378, 0.3288)$

Have a look what the booklet for
Yxy(62.4440, 0.2378, 0.3288)
contains.

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Color

Yxy(62.4627, 0.2378, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	56E3E3
RGB	86, 227, 227
RGB Percent	34%, 89%, 89%
CMY	0.6624, 0.1098, 0.1099
CMYK	0.62, 0.00, 0.00, 0.11
HSL	180°, 72%, 61%
HSV	180°, 62%, 89%
XYZ	45.1753, 62.4627, 82.3337
YIQ	184.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

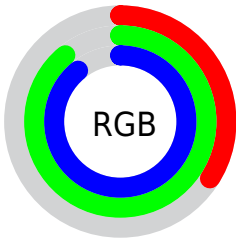
Format	Color
RYB	86, 157, 227
Decimal	5694435
CIELab	83.16, -37.21, -11.25
CIELCh	83, 38.868, 196.817
Yxy	62.4627, 0.2378, 0.3288
Android (android.graphics.Color)	4283884515 (0xFF56E3E3)
YUV	184.8410, 20.7844, -86.6836
Hunter-Lab	79.0333, -36.2782, -6.4426

Details

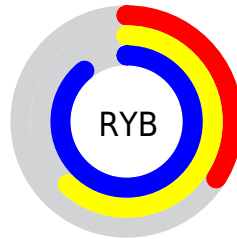
The Yxy color **62.4627, 0.2378, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.6740, 0.5109, 0.3296**, and the grayscale version is **48.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **32.1044, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **61.5519, 0.2319, 0.3288**, and if you desaturate by 10%, it is **63.7204, 0.2457, 0.3288**.

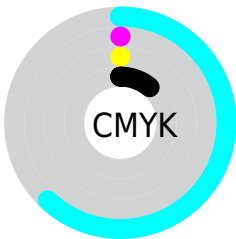
Distribution



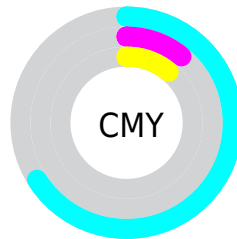
- Red (34%)
- Green (89%)
- Blue (89%)



- Red (34%)
- Yellow (62%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (66%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4627, 0.2378, 0.3288 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 62.4627, 0.2378, 0.3288 by changing the saturation by 10% instead.

 62.4627, 0.2378,
0.3288


 62.4627, 0.2378,
0.3288


433.6169, 0.2725,
0.3299


 45.4067, 0.2299,
0.3283


 108.3940, 0.2498,
0.3294


 31.7779, 0.2202,
0.3276


 138.0380, 0.2545,
0.3295

 21.1919, 0.2079,
0.3264


 172.6469, 0.2586,
0.3296

 13.2643, 0.1921,
0.3244

 212.6049, 0.2621,
0.3297

 7.6108, 0.1710,
0.3210

258.2965, 0.2652,
0.3298

 3.8469, 0.1417,
0.3146

310.1061, 0.2679,

 1.5883, 0.0910,

0.3298

0.3035

368.4181, 0.2703,
0.3298

0.3497, 0.0000,
0.2284

0.0000, 0.0000,
0.0000

62.4627, 0.2378,
0.3288

62.4627, 0.2378,
0.3288

61.5519, 0.2319,
0.3288

63.7204, 0.2457,
0.3288

60.9472, 0.2278,
0.3288


65.3471, 0.2555,
0.3288

60.6104, 0.2255,
0.3288


67.3714, 0.2670,
0.3289

60.4818, 0.2247,
0.3288

69.8170, 0.2800,
0.3289

 72.7059, 0.2943,
0.3290

 76.0585, 0.3095,
0.3290

 79.8938, 0.3253,
0.3290

 81.7437, 0.3324,
0.3291

 81.7438, 0.3324,
0.3291

Harmonies

Analogous

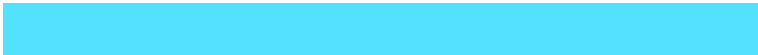
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.4627, 0.2718, 0.3777



62.4627, 0.2378, 0.3288



62.4627, 0.2234, 0.2850

Triad

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



62.4627, 0.2378, 0.3288



62.4627, 0.3007, 0.2609



62.4627, 0.4004, 0.3961

Complementary

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



62.4627, 0.2378, 0.3288



23.6740, 0.5109, 0.3296

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.



62.4627, 0.4111, 0.3608



62.4627, 0.2378, 0.3288



62.4627, 0.3510, 0.2863

Square

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



62.4627, 0.2378, 0.3288



62.4627, 0.2573, 0.2504



62.4627, 0.3927, 0.3217



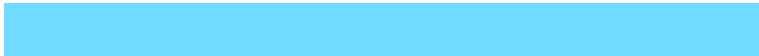
62.4627, 0.3658, 0.4169

Rectangle

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



62.4627, 0.2378, 0.3288



62.4627, 0.2256, 0.2648



62.4627, 0.3927, 0.3217



62.4627, 0.4070, 0.3853

Sweetspot

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



62.4651, 0.2378, 0.3288



91.9403, 0.2841, 0.3289



57.7068, 0.3044, 0.5288



19.4599, 0.2801, 0.3289



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.



62.4651, 0.2378, 0.3288



79.9072, 0.2307, 0.3288



32.2878, 0.2154, 0.2311



16.3364, 0.2982, 0.3290



35.2737, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



23.6740, 0.5109, 0.3296



25.5888, 0.5696, 0.3297



40.1797, 0.4525, 0.4045



14.3680, 0.3293, 0.3290



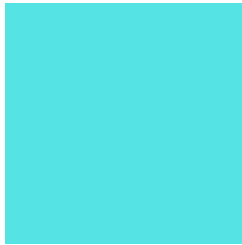
9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 62.4627, 0.2378, 0.3288 looks on a white background.

Color Contrast Check

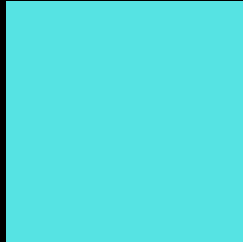
Large Text (above 18pt) WCAG AA × Fail

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 62.4627, 0.2378, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

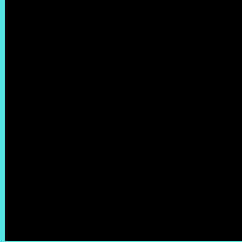
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.4627, 0.2378, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 62.4627, 0.2378, 0.3288.



This preview shows how white text looks on a background with the Yxy color 62.4627, 0.2378, 0.3288.

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

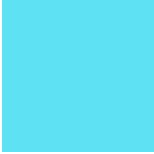
62.4627, 0.2378, 0.3288

Protanopia

61.2552, 0.3087, 0.3186

Deuteranopia

61.3379, 0.2994, 0.2924



Tritanopia

62.6486, 0.2327, 0.3061

Trichromacy



Original Color

62.4627, 0.2378, 0.3288



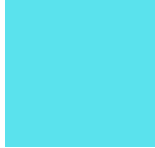
Protanomaly

59.9355, 0.2752, 0.3215



Deuteranomaly

60.0782, 0.2699, 0.3036



Tritanomaly

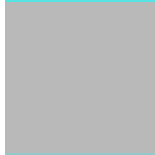
62.6808, 0.2345, 0.3148

Monochromacy



Original Color

62.4627, 0.2378, 0.3288



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.8682, 0.2757, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4627, 0.2378, 0.3288 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(86, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(86, 227, 227)  
}
```

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(86, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 227, 227) }
```

Border

The CSS property to change the border of an element to Yxy 62.4627, 0.2378, 0.3288 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(86, 227, 227) }
```

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

```
.border{ border-color:rgb(86, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(86, 227,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4627, 0.2378, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 227, 227) }
```

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

```
.background{ background-color: rgb(86, 227,  
227) }
```

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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