

Converting Colors

$Yxy(62.1629, 0.2380, 0.3304)$

Have a look what the booklet for
Yxy(62.1629, 0.2380, 0.3304)
contains.

Yxy(62.3057, 0.2383, 0.3314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.3057, 0.2383, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	55E3E1
RGB	85, 227, 225
RGB Percent	33%, 89%, 88%
CMY	0.6669, 0.1098, 0.1176
CMYK	0.63, 0.00, 0.01, 0.11
HSL	179°, 72%, 61%
HSV	179°, 63%, 89%
XYZ	44.8022, 62.3057, 80.8996
YIQ	184.3140, -83.9900, -30.7260

Conversions

Conversions Part 2

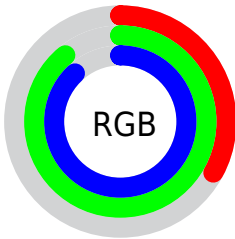
Format	Color
RYB	85, 157, 227
Decimal	5628897
CIELab	83.08, -37.92, -10.32
CIELCh	83, 39.305, 195.229
Yxy	62.3057, 0.2383, 0.3314
Android (android.graphics.Color)	4283818977 (0xFF55E3E1)
YUV	184.3140, 20.0582, -87.0984
Hunter-Lab	78.9340, -36.8195, -5.5127

Details

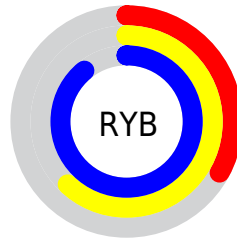
The Yxy color **62.3057, 0.2383, 0.3314** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.5087, 0.5106, 0.3276**, and the grayscale version is **48.0309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **32.0281, 0.2251, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.3938, 0.2325, 0.3319**, and if you desaturate by 10%, it is **63.5629, 0.2460, 0.3310**.

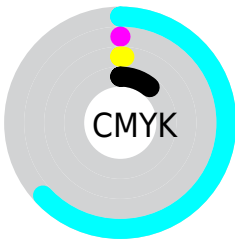
Distribution



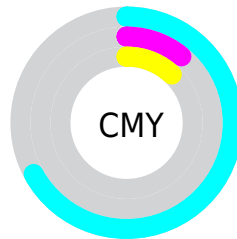
- Red (33%)
- Green (89%)
- Blue (88%)



- Red (33%)
- Yellow (62%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)




- Cyan (67%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3057, 0.2383, 0.3314 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 62.3057, 0.2383, 0.3314 by changing the saturation by 10% instead.

 62.3057, 0.2383,
0.3314


 62.3057, 0.2383,
0.3314


433.0453, 0.2729,
0.3312


 45.2798, 0.2304,
0.3312


 108.1672, 0.2503,
0.3315


 31.6778, 0.2207,
0.3308


 137.7716, 0.2549,
0.3315

 21.1155, 0.2085,
0.3302


 172.3376, 0.2590,
0.3315

 13.2085, 0.1927,
0.3289

 212.2496, 0.2625,
0.3314

 7.5723, 0.1715,
0.3264

257.8919, 0.2655,
0.3314

 3.8225, 0.1421,
0.3213

309.6491, 0.2683,

 1.5748, 0.0894,

0.3313

367.9054, 0.2707,
0.3312

0.3129

0.3405, 0.0000,
0.2367

0.0000, 0.0000,
0.0000

62.3057, 0.2383,
0.3314

62.3057, 0.2383,
0.3314

61.3938, 0.2325,
0.3319

63.5629, 0.2460,
0.3310

60.7863, 0.2287,
0.3323

65.1879, 0.2556,
0.3305

60.4445, 0.2266,
0.3327


67.2092, 0.2669,
0.3301


60.3139, 0.2259,
0.3331


69.6507, 0.2797,
0.3297

 72.5346, 0.2938,
0.3294

 75.8812, 0.3087,
0.3291

 79.7097, 0.3243,
0.3288

 81.7802, 0.3320,
0.3285

 81.7979, 0.3318,
0.3282

Harmonies

Analogous

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



62.3057, 0.2736, 0.3807



62.3057, 0.2383, 0.3314



62.3057, 0.2226, 0.2864

Triad

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



62.3057, 0.2383, 0.3314



62.3057, 0.2979, 0.2592



62.3057, 0.4026, 0.3951

Complementary

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



62.3057, 0.2383, 0.3314



23.5087, 0.5106, 0.3276

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.



62.3057, 0.4120, 0.3590



62.3057, 0.2383, 0.3314



62.3057, 0.3488, 0.2841

Square

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



62.3057, 0.2383, 0.3314



62.3057, 0.2548, 0.2495



62.3057, 0.3920, 0.3195



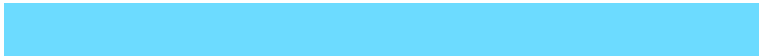
62.3057, 0.3686, 0.4174

Rectangle

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



62.3057, 0.2383, 0.3314



62.3057, 0.2241, 0.2654



62.3057, 0.3920, 0.3195



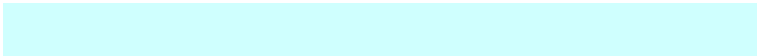
62.3057, 0.4089, 0.3841

Sweetspot

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



62.3081, 0.2383, 0.3314



91.8967, 0.2845, 0.3296



57.6394, 0.3043, 0.5304



19.4492, 0.2805, 0.3297



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.



62.3081, 0.2383, 0.3314



79.6489, 0.2312, 0.3320



32.0476, 0.2147, 0.2302



16.3327, 0.2984, 0.3293



35.1739, 0.2258, 0.3330



2.6004, 0.2257, 0.3323

Inverse Universe

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



23.5087, 0.5106, 0.3276



25.2973, 0.5711, 0.3279



39.9705, 0.4539, 0.4049



14.3713, 0.3290, 0.3287



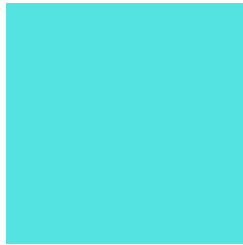
9.5298, 0.6385, 0.3291



0.7054, 0.6341, 0.3267

Previews

White Background



This preview shows how the Yxy color 62.3057, 0.2383, 0.3314 looks on a white background.

Color Contrast Check

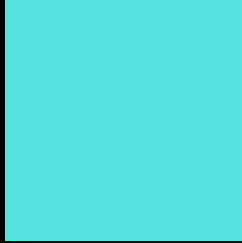
Large Text (above 18pt) WCAG AA × Fail

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 62.3057, 0.2383, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

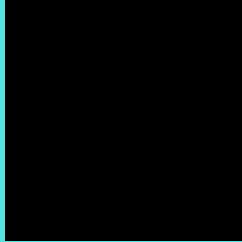
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.3057, 0.2383, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 62.3057, 0.2383, 0.3314.

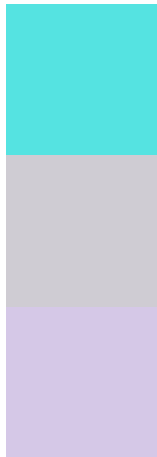


This preview shows how white text looks on a background with the Yxy color 62.3057, 0.2383, 0.3314.

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

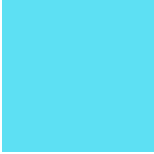
62.3057, 0.2383, 0.3314

Protanopia

61.1543, 0.3101, 0.3209

Deuteranopia

61.2242, 0.3008, 0.2945



Tritanopia

62.1095, 0.2324, 0.3048

Trichromacy



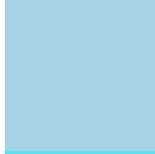
Original Color

62.3057, 0.2383, 0.3314



Protanomaly

59.8314, 0.2764, 0.3239



Deuteranomaly

59.8573, 0.2704, 0.3059



Tritanomaly

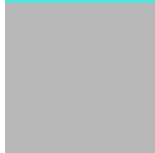
62.0802, 0.2346, 0.3147

Monochromacy



Original Color

62.3057, 0.2383, 0.3314



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.7280, 0.2756, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3057, 0.2383, 0.3314 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(85, 227, 225)` looks like.

```
.text, #text, p{  
    color:rgb(85, 227, 225)  
}
```

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(85, 227, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 227, 225) }
```

Border

The CSS property to change the border of an element to Yxy 62.3057, 0.2383, 0.3314 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(85, 227, 225) }
```

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

```
.border{ border-color:rgb(85, 227, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 227, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 227, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 227, 225);  
box-shadow:4px 4px 4px 4px rgb(85, 227,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3057, 0.2383, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 227, 225) }
```

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

```
.background{ background-color: rgb(85, 227,  
225) }
```

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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