

Converting Colors

$Y_{xy}(60.8953, 0.2692, 0.3627)$

Have a look what the booklet for
Yxy(60.8953, 0.2692, 0.3627)
contains.

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Color

Yxy(60.8952, 0.2693, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	81DEC4
RGB	129, 222, 196
RGB Percent	51%, 87%, 77%
CMY	0.4940, 0.1294, 0.2315
CMYK	0.42, 0.00, 0.12, 0.13
HSL	163°, 58%, 69%
HSV	163°, 42%, 87%
XYZ	45.1392, 60.8952, 61.5824
YIQ	191.2290, -47.0820, -27.8020

Conversions

Conversions Part 2

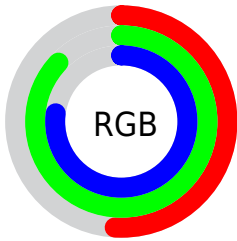
Format	Color
RYB	129, 183, 222
Decimal	8511172
CIELab	82.32, -33.70, 4.12
CIElCh	82, 33.955, 173.024
Yxy	60.8952, 0.2693, 0.3633
Android (android.graphics.Color)	4286701252 (0xFF81DEC4)
YUV	191.2290, 2.3521, -54.5748
Hunter-Lab	78.0354, -33.3094, 7.8354

Details

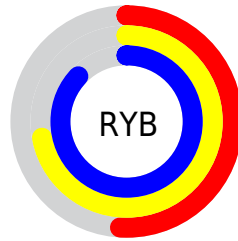
The Yxy color **60.8952, 0.2693, 0.3633** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.6080, 0.3895, 0.2982**, and the grayscale version is **52.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0510, 0.2741, 0.3310**, and **30.6419, 0.2584, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **59.0662, 0.2617, 0.3731**, and if you desaturate by 10%, it is **63.1185, 0.2783, 0.3540**.

Distribution



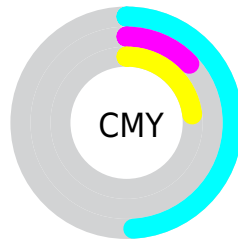
- Red (51%)
- Green (87%)
- Blue (77%)



- Red (51%)
- Yellow (72%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8952, 0.2693, 0.3633 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 60.8952, 0.2693, 0.3633 by changing the saturation by 10% instead.


 60.8952, 0.2693,
0.3633

 60.8952, 0.2693,
0.3633


427.8896, 0.2901,
0.3466


 44.1406, 0.2644,
0.3673


 106.1272, 0.2767,
0.3574

 30.7811, 0.2582,
0.3724


 135.3733, 0.2795,
0.3551

 20.4322, 0.2502,
0.3790


 169.5522, 0.2819,
0.3532

 12.7096, 0.2394,
0.3880

209.0480, 0.2840,
0.3515

 7.2289, 0.2244,
0.4008

254.2453, 0.2858,
0.3501

 3.6056, 0.2017,
0.4207

305.5284, 0.2874,

 1.4555, 0.1506,

0.3488

0.4627

363.2817, 0.2888,
0.3477

0.2571, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.8952, 0.2693,
0.3633

60.8952, 0.2693,
0.3633

59.0662, 0.2617,
0.3731

63.1185, 0.2783,
0.3540

57.5993, 0.2559,
0.3834


65.7514, 0.2883,
0.3454

56.4691, 0.2519,
0.3940

68.8171, 0.2992,
0.3375


55.6439, 0.2499,
0.4046


72.3352, 0.3105,
0.3303


 55.0853, 0.2499,
0.4152

 76.3238, 0.3222,
0.3238

 54.7763, 0.2510,
0.4237

 79.4020, 0.3287,
0.3179

 79.7641, 0.3245,
0.3118

 80.1388, 0.3203,
0.3058

 80.5263, 0.3162,
0.2999

Harmonies

Analogous

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



60.8952, 0.3093, 0.3968



60.8952, 0.2693, 0.3633



60.8952, 0.2420, 0.3204

Triad

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



60.8952, 0.2693, 0.3633



60.8952, 0.2707, 0.2596



60.8952, 0.3995, 0.3650

Complementary

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



60.8952, 0.2693, 0.3633



33.6080, 0.3895, 0.2982

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.



60.8952, 0.3884, 0.3301



60.8952, 0.2693, 0.3633



60.8952, 0.3114, 0.2720

Square

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



60.8952, 0.2693, 0.3633



60.8952, 0.2430, 0.2632



60.8952, 0.3552, 0.2971



60.8952, 0.3855, 0.3939

Rectangle

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



60.8952, 0.2693, 0.3633



60.8952, 0.2338, 0.2948



60.8952, 0.3552, 0.2971



60.8952, 0.3987, 0.3536

Sweetspot

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



60.8976, 0.2693, 0.3633



93.6625, 0.2978, 0.3384



60.8351, 0.3242, 0.4515



19.8401, 0.2954, 0.3401



0.0000, 0.0000, 0.0000



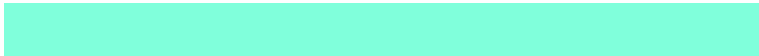
21.4041, 0.3127, 0.3290

Same Dimension

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



60.8976, 0.2693, 0.3633



81.2010, 0.2628, 0.3716



52.1186, 0.2514, 0.3024



15.5035, 0.3019, 0.3356



32.5553, 0.2506, 0.4221



2.2716, 0.2461, 0.4059

Inverse Universe

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



33.6080, 0.3895, 0.2982



39.2196, 0.4139, 0.2924



38.6667, 0.4101, 0.3534



13.7633, 0.3248, 0.3225



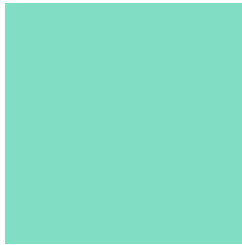
9.4482, 0.5824, 0.2982



0.6699, 0.5381, 0.2738

Previews

White Background



This preview shows how the Yxy color 60.8952, 0.2693, 0.3633 looks on a white background.

Color Contrast Check

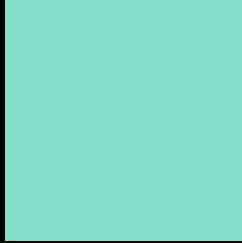
Large Text (above 18pt) WCAG AA × Fail

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 60.8952, 0.2693, 0.3633 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

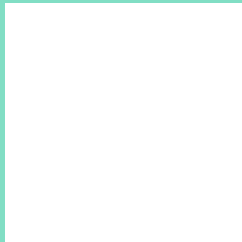
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.8952, 0.2693, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 60.8952, 0.2693, 0.3633.

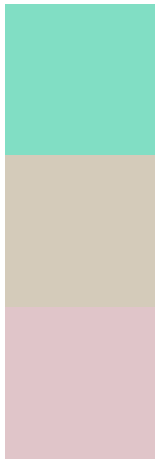


This preview shows how white text looks on a background with the Yxy color 60.8952, 0.2693, 0.3633.

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

60.8952, 0.2693, 0.3633

Protanopia

60.2541, 0.3322, 0.3489

Deuteranopia

59.9968, 0.3313, 0.3246



Tritanopia

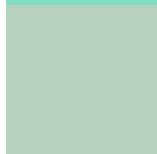
61.0552, 0.2537, 0.3078

Trichromacy



Original Color

60.8952, 0.2693, 0.3633



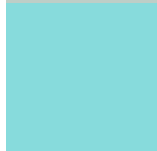
Protanomaly

59.7560, 0.3057, 0.3538



Deuteranomaly

59.0850, 0.3048, 0.3375



Tritanomaly

60.9812, 0.2591, 0.3276

Monochromacy



Original Color

60.8952, 0.2693, 0.3633



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.4161, 0.2935, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8952, 0.2693, 0.3633 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(129, 222, 196)` looks like.

```
.text, #text, p{  
  color:rgb(129, 222, 196)  
}
```

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(129, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 222, 196) }
```

Border

The CSS property to change the border of an element to Yxy 60.8952, 0.2693, 0.3633 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(129, 222, 196) }
```

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

```
.border{ border-color:rgb(129, 222, 196) }
```

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

Here you see how a box with a 4 pixel rgb(129, 222, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(129, 222,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8952, 0.2693, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 222, 196) }
```

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

```
.background{ background-color: rgb(129,  
222, 196) }
```

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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