

Converting Colors

$Yxy(65.1773, 0.2753, 0.3521)$

Have a look what the booklet for
Yxy(65.1773, 0.2753, 0.3521)
contains.

Yxy(65.3817, 0.2753, 0.3527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.3817, 0.2753, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	96E2CF
RGB	150, 226, 207
RGB Percent	59%, 89%, 81%
CMY	0.4118, 0.1137, 0.1882
CMYK	0.34, 0.00, 0.08, 0.11
HSL	165°, 57%, 74%
HSV	165°, 34%, 89%
XYZ	51.0337, 65.3817, 68.9594
YIQ	201.1100, -39.1970, -22.0210

Conversions

Conversions Part 2

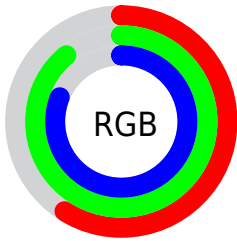
Format	Color
RYB	150, 193, 226
Decimal	9888463
CIELab	84.68, -27.58, 1.83
CIELCh	85, 27.637, 176.199
Yxy	65.3817, 0.2753, 0.3527
Android (android.graphics.Color)	4288078543 (0xFF96E2CF)
YUV	201.1100, 2.9038, -44.8235
Hunter-Lab	80.8590, -28.8439, 6.0366

Details

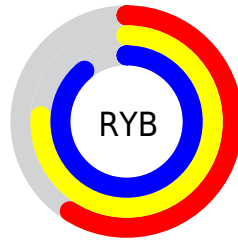
The Yxy color **65.3817, 0.2753, 0.3527** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.8421, 0.3714, 0.3069**, and the grayscale version is **58.4794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **33.5362, 0.2660, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **63.1718, 0.2663, 0.3610**, and if you desaturate by 10%, it is **68.0202, 0.2855, 0.3449**.

Distribution



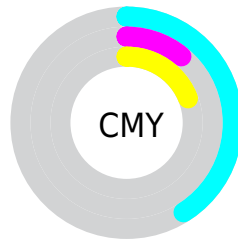
- Red (59%)
- Green (89%)
- Blue (81%)



- Red (59%)
- Yellow (76%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (41%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3817, 0.2753, 0.3527 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 65.3817, 0.2753, 0.3527 by changing the saturation by 10% instead.


 65.3817, 0.2753,
0.3527

 65.3817, 0.2753,
0.3527


444.1624, 0.2930,
0.3414

 47.7707, 0.2712,
0.3553


 112.5984, 0.2815,
0.3487

 33.6453, 0.2661,
0.3587


 142.9729, 0.2839,
0.3472

 22.6212, 0.2595,
0.3629


178.3707, 0.2859,
0.3459

 14.3141, 0.2508,
0.3686

219.1761, 0.2877,
0.3448

 8.3394, 0.2387,
0.3765

265.7736, 0.2893,
0.3438

 4.3129, 0.2210,
0.3884

318.5475, 0.2906,

 1.8501, 0.1923,

0.3429

0.4080

377.8823, 0.2919,
0.3421

■ 0.5181, 0.0000,
0.5430

■ 0.0000, 0.0000,
0.0000

■ 65.3817, 0.2753,
0.3527

■ 65.3817, 0.2753,
0.3527

■ 63.1718, 0.2663,
0.3610

■ 68.0202, 0.2855,
0.3449

■ 61.3587, 0.2587,
0.3698


■ 71.1015, 0.2966,
0.3377

■ 59.9185, 0.2529,
0.3790


■ 74.6487, 0.3084,
0.3312


■ 58.8218, 0.2491,
0.3883


■ 78.6810, 0.3204,
0.3253

 58.0341, 0.2472,
0.3977

 81.6698, 0.3270,
0.3199


 57.5139, 0.2473,
0.4071

 82.0021, 0.3232,
0.3144

 57.2801, 0.2480,
0.4130

 82.3450, 0.3195,
0.3089

 82.6984, 0.3158,
0.3036

 82.8769, 0.3140,
0.3009

Harmonies

Analogous

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



65.3817, 0.3068, 0.3800



65.3817, 0.2753, 0.3527



65.3817, 0.2544, 0.3193

Triad

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



65.3817, 0.2753, 0.3527



65.3817, 0.2824, 0.2734



65.3817, 0.3814, 0.3615

Complementary

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



65.3817, 0.2753, 0.3527



40.8421, 0.3714, 0.3069

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.



65.3817, 0.3746, 0.3336



65.3817, 0.2753, 0.3527



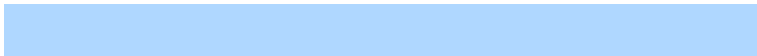
65.3817, 0.3157, 0.2846

Square

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



65.3817, 0.2753, 0.3527



65.3817, 0.2583, 0.2753



65.3817, 0.3500, 0.3061



65.3817, 0.3687, 0.3831

Rectangle

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



65.3817, 0.2753, 0.3527



65.3817, 0.2486, 0.2995



65.3817, 0.3500, 0.3061



65.3817, 0.3813, 0.3525

Sweetspot

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



65.3843, 0.2753, 0.3527



95.0765, 0.3008, 0.3353



65.1731, 0.3217, 0.4250



20.2131, 0.2991, 0.3363



0.0000, 0.0000, 0.0000



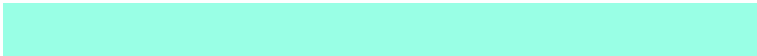
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3843, 0.2753, 0.3527



83.9771, 0.2692, 0.3582



57.2170, 0.2622, 0.3067



15.5107, 0.3015, 0.3349



32.6957, 0.2476, 0.4115



2.2803, 0.2437, 0.3971

Inverse Universe

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



40.8421, 0.3714, 0.3069



47.2771, 0.3885, 0.3025



46.2747, 0.3844, 0.3500



13.7565, 0.3253, 0.3232



9.4061, 0.5922, 0.3036



0.6662, 0.5482, 0.2794

Previews

White Background



This preview shows how the Yxy color 65.3817, 0.2753, 0.3527 looks on a white background.

Color Contrast Check

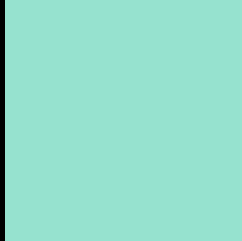
Large Text (above 18pt) WCAG AA × Fail

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 65.3817, 0.2753, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

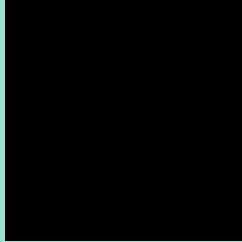
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

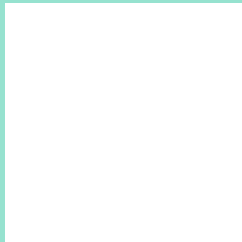
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3817, 0.2753, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 65.3817, 0.2753, 0.3527.

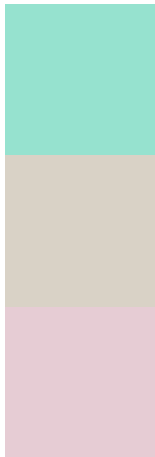


This preview shows how white text looks on a background with the Yxy color 65.3817, 0.2753, 0.3527.

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

65.3817, 0.2753, 0.3527

Protanopia

64.9221, 0.3265, 0.3426

Deuteranopia

64.7622, 0.3270, 0.3203



Tritanopia

65.1130, 0.2613, 0.3075

Trichromacy



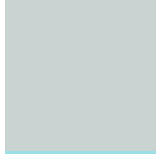
Original Color

65.3817, 0.2753, 0.3527



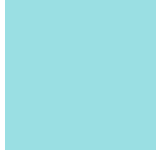
Protanomaly

64.6662, 0.3061, 0.3468



Deuteranomaly

64.1576, 0.3060, 0.3313



Tritanomaly

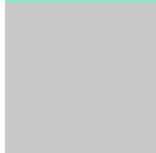
65.1914, 0.2663, 0.3240

Monochromacy



Original Color

65.3817, 0.2753, 0.3527



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.3501, 0.2971, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3817, 0.2753, 0.3527 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(150, 226, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 226, 207)  
}
```

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(150, 226, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 226, 207) }
```

Border

The CSS property to change the border of an element to Yxy 65.3817, 0.2753, 0.3527 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(150, 226, 207) }
```

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

```
.border{ border-color:rgb(150, 226, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 226, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 226, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 226, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 226,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3817, 0.2753, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 226, 207) }
```

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

```
.background{ background-color: rgb(150,  
226, 207) }
```

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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