

Converting Colors

$Y_{xy}(52.5578, 0.2771, 0.3513)$

Have a look what the booklet for
Yxy(52.5578, 0.2771, 0.3513)
contains.

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Color

Yxy(52.7825, 0.2772, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	8BCDBC
RGB	139, 205, 188
RGB Percent	55%, 80%, 74%
CMY	0.4549, 0.1961, 0.2628
CMYK	0.32, 0.00, 0.08, 0.20
HSL	165°, 40%, 67%
HSV	165°, 32%, 80%
XYZ	41.5544, 52.7825, 55.5708
YIQ	183.3280, -33.8790, -19.2790

Conversions

Conversions Part 2

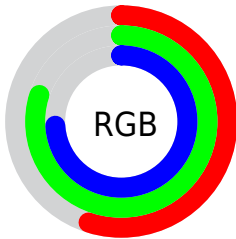
Format	Color
RYB	139, 177, 205
Decimal	9162172
CIELab	77.75, -24.59, 1.80
CIELCh	78, 24.659, 175.810
Yxy	52.7825, 0.2772, 0.3521
Android (android.graphics.Color)	4287352252 (0xFF8BCDBC)
YUV	183.3280, 2.3033, -38.8757
Hunter-Lab	72.6516, -25.0438, 5.5055

Details

The Yxy color **52.7825, 0.2772, 0.3521** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.8444, 0.3670, 0.3074**, and the grayscale version is **47.5446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5210, 0.2829, 0.3406**, and **25.8609, 0.2676, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **50.9586, 0.2681, 0.3606**, and if you desaturate by 10%, it is **54.9499, 0.2874, 0.3442**.

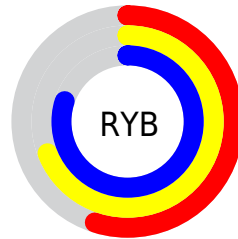
Distribution



Red (55%)

Green (80%)

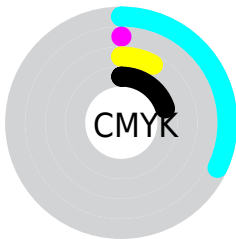
Blue (74%)



Red (55%)

Yellow (69%)

Blue (80%)

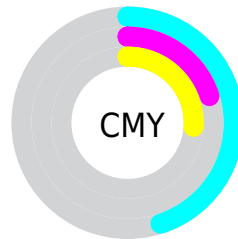


Cyan (32%)

Magenta (0%)

Yellow (8%)

Black (20%)



Cyan (45%)


Magenta (20%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7825, 0.2772, 0.3521 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 52.7825, 0.2772, 0.3521 by changing the saturation by 10% instead.


 52.7825, 0.2772,
0.3521


 52.7825, 0.2772,
0.3521


397.4501, 0.2946,
0.3407

 37.6292, 0.2730,
0.3549

 94.2842, 0.2834,
0.3480

 25.6950, 0.2676,
0.3585


 121.4014, 0.2858,
0.3464

 16.5956, 0.2605,
0.3632

 153.2754, 0.2878,
0.3451

 9.9466, 0.2509,
0.3696

190.2905, 0.2896,
0.3440

 5.3636, 0.2369,
0.3791

232.8311, 0.2911,
0.3430

 2.4621, 0.2150,
0.3943

281.2816, 0.2924,

 0.8576, 0.1142,

0.3422

0.4561

336.0265, 0.2936,
0.3414

0.0000, 0.0000,
0.0000

52.7825, 0.2772,
0.3521

52.7825, 0.2772,
0.3521

50.9586, 0.2681,
0.3606

54.9499, 0.2874,
0.3442

49.4532, 0.2604,
0.3695

57.4715, 0.2985,
0.3370

48.2480, 0.2544,
0.3789


60.3656, 0.3101,
0.3304

47.3200, 0.2502,
0.3884

63.6470, 0.3220,
0.3244


46.6431, 0.2480,
0.3981


67.3301, 0.3340,
0.3191


 46.1859, 0.2478,
0.4077

 70.0766, 0.3405,
0.3142

 45.9382, 0.2487,
0.4152

 70.3605, 0.3366,
0.3089

 70.6533, 0.3326,
0.3037

 70.9551, 0.3288,
0.2985

Harmonies

Analogous

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



52.7825, 0.3075, 0.3780



52.7825, 0.2772, 0.3521



52.7825, 0.2569, 0.3202

Triad

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



52.7825, 0.2772, 0.3521



52.7825, 0.2833, 0.2755



52.7825, 0.3785, 0.3600

Complementary

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



52.7825, 0.2772, 0.3521



33.8444, 0.3670, 0.3074

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.



52.7825, 0.3717, 0.3331



52.7825, 0.2772, 0.3521



52.7825, 0.3152, 0.2861

Square

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



52.7825, 0.2772, 0.3521



52.7825, 0.2603, 0.2775



52.7825, 0.3480, 0.3067



52.7825, 0.3667, 0.3807

Rectangle

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



52.7825, 0.2772, 0.3521



52.7825, 0.2512, 0.3011



52.7825, 0.3480, 0.3067



52.7825, 0.3784, 0.3514

Sweetspot

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



52.7846, 0.2772, 0.3521



95.0643, 0.3009, 0.3355



52.6572, 0.3214, 0.4198



20.2102, 0.2992, 0.3365



0.0000, 0.0000, 0.0000



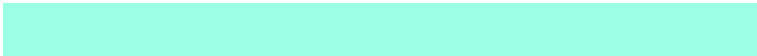
21.4041, 0.3127, 0.3290

Same Dimension

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



52.7846, 0.2772, 0.3521



84.2210, 0.2704, 0.3582



46.5520, 0.2645, 0.3079



12.6757, 0.3017, 0.3350



28.6126, 0.2483, 0.4138



1.4880, 0.2431, 0.3951

Inverse Universe

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



33.8444, 0.3670, 0.3074



48.2297, 0.3850, 0.3023



38.0867, 0.3799, 0.3490



11.2603, 0.3250, 0.3230



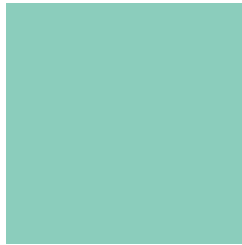
8.2523, 0.5886, 0.3016



0.4384, 0.5314, 0.2701

Previews

White Background



This preview shows how the Yxy color 52.7825, 0.2772, 0.3521 looks on a white background.

Color Contrast Check

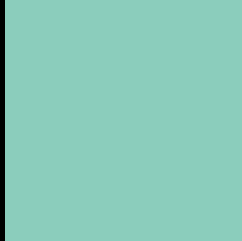
Large Text (above 18pt) WCAG AA × Fail

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 52.7825, 0.2772, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

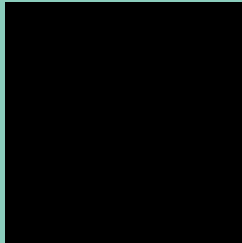
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

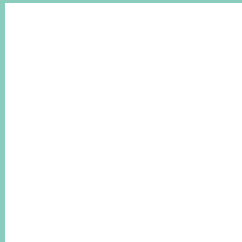
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7825, 0.2772, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 52.7825, 0.2772, 0.3521.

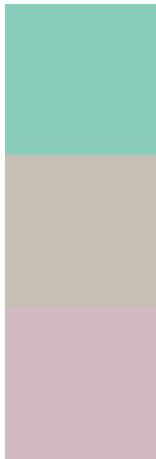


This preview shows how white text looks on a background with the Yxy color 52.7825, 0.2772, 0.3521.

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

52.7825, 0.2772, 0.3521

Protanopia

52.4272, 0.3261, 0.3427

Deuteranopia

52.0590, 0.3275, 0.3207



Tritanopia

52.8940, 0.2637, 0.3082

Trichromacy



Original Color

52.7825, 0.2772, 0.3521

Protanomaly

52.1289, 0.3064, 0.3458

Deuteranomaly

51.6512, 0.3070, 0.3302

Tritanomaly

52.5369, 0.2685, 0.3236

Monochromacy



Original Color

52.7825, 0.2772, 0.3521

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.9799, 0.2980, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7825, 0.2772, 0.3521 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(139, 205, 188)` looks like.

```
.text, #text, p{  
    color:rgb(139, 205, 188)  
}
```

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(139, 205, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 205, 188) }
```

Border

The CSS property to change the border of an element to Yxy 52.7825, 0.2772, 0.3521 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(139, 205, 188) }
```

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

```
.border{ border-color:rgb(139, 205, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 205, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 205, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 205, 188);  
box-shadow:4px 4px 4px 4px rgb(139, 205,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7825, 0.2772, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 205, 188) }
```

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

```
.background{ background-color: rgb(139,  
205, 188) }
```

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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