

Converting Colors

$Y_{xy}(52.7790, 0.2685, 0.3524)$

Have a look what the booklet for
Yxy(52.7790, 0.2685, 0.3524)
contains.

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Color

Yxy(52.7790, 0.2685, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	7ECFBE
RGB	126, 207, 190
RGB Percent	49%, 81%, 75%
CMY	0.5058, 0.1882, 0.2549
CMYK	0.39, 0.00, 0.08, 0.19
HSL	167°, 46%, 65%
HSV	167°, 39%, 81%
XYZ	40.2133, 52.7790, 56.7779
YIQ	180.8430, -42.8190, -22.4590

Conversions

Conversions Part 2

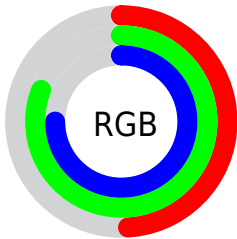
Format	Color
RYB	126, 171, 207
Decimal	8310718
CIELab	77.74, -28.71, 0.65
CIElCh	78, 28.719, 178.705
Yxy	52.7790, 0.2685, 0.3524
Android (android.graphics.Color)	4286500798 (0xFF7ECFBE)
YUV	180.8430, 4.5144, -48.0973
Hunter-Lab	72.6492, -28.3314, 4.5172

Details

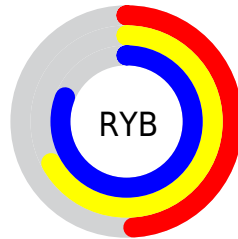
The Yxy color **52.7790, 0.2685, 0.3524** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.1787, 0.3888, 0.3075**, and the grayscale version is **46.1157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1189, 0.2755, 0.3386**, and **25.6022, 0.2562, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **51.1792, 0.2599, 0.3595**, and if you desaturate by 10%, it is **54.7143, 0.2785, 0.3457**.

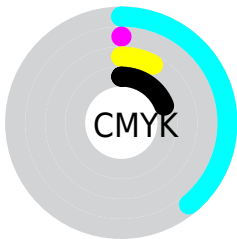
Distribution



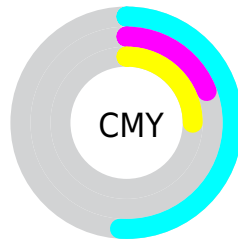
- Red (49%)
- Green (81%)
- Blue (75%)



- Red (49%)
- Yellow (67%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (51%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7790, 0.2685, 0.3524 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 52.7790, 0.2685, 0.3524 by changing the saturation by 10% instead.


 52.7790, 0.2685,
0.3524

 52.7790, 0.2685,
0.3524

397.4367, 0.2901,
0.3410

 37.6264, 0.2633,
0.3552


 94.2791, 0.2762,
0.3483

 25.6928, 0.2567,
0.3587


 121.3953, 0.2792,
0.3467

 16.5940, 0.2480,
0.3633


 153.2683, 0.2817,
0.3454

 9.9454, 0.2362,
0.3697

190.2822, 0.2838,
0.3443

 5.3628, 0.2193,
0.3788

232.8217, 0.2857,
0.3433

 2.4617, 0.1931,
0.3931

281.2710, 0.2873,

 0.8573, 0.0613,

0.3424

0.4611

336.0145, 0.2888,
0.3416

0.0000, 0.0000,
0.0000

52.7790, 0.2685,
0.3524

52.7790, 0.2685,
0.3524

51.1792, 0.2599,
0.3595

54.7143, 0.2785,
0.3457

49.8883, 0.2530,
0.3669

56.9973, 0.2895,
0.3395

48.8858, 0.2478,
0.3745


59.6472, 0.3014,
0.3338


48.1462, 0.2447,
0.3822

62.6801, 0.3138,
0.3286

47.6392, 0.2435,
0.3899


66.1111, 0.3265,
0.3239


 47.3146, 0.2439,
0.3975

 69.9543, 0.3393,
0.3197

 47.2890, 0.2440,
0.3982

 71.0760, 0.3397,
0.3155

 71.3100, 0.3364,
0.3111

 71.5501, 0.3332,
0.3068

Harmonies

Analogous

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



52.7790, 0.3027, 0.3843



52.7790, 0.2685, 0.3524



52.7790, 0.2467, 0.3149

Triad

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



52.7790, 0.2685, 0.3524



52.7790, 0.2816, 0.2679



52.7790, 0.3890, 0.3671

Complementary

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



52.7790, 0.2685, 0.3524



30.1787, 0.3888, 0.3075

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.



52.7790, 0.3833, 0.3364



52.7790, 0.2685, 0.3524



52.7790, 0.3192, 0.2814

Square

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



52.7790, 0.2685, 0.3524



52.7790, 0.2540, 0.2685



52.7790, 0.3572, 0.3058



52.7790, 0.3730, 0.3905

Rectangle

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



52.7790, 0.2685, 0.3524



52.7790, 0.2414, 0.2934



52.7790, 0.3572, 0.3058



52.7790, 0.3896, 0.3573

Sweetspot

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



52.7811, 0.2685, 0.3524



94.2442, 0.2978, 0.3354



52.0239, 0.3196, 0.4433



20.0497, 0.2962, 0.3362



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.



52.7811, 0.2685, 0.3524



82.3867, 0.2611, 0.3584



43.2481, 0.2541, 0.2968



13.3628, 0.3011, 0.3339



29.8082, 0.2437, 0.3971



1.6776, 0.2398, 0.3831

Inverse Universe

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



30.1787, 0.3888, 0.3075



41.1793, 0.4144, 0.3031



36.2582, 0.3979, 0.3585



11.8483, 0.3258, 0.3241



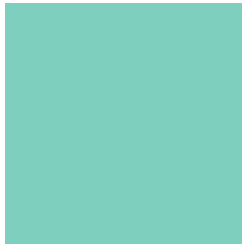
8.4812, 0.6033, 0.3097



0.4861, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 52.7790, 0.2685, 0.3524 looks on a white background.

Color Contrast Check

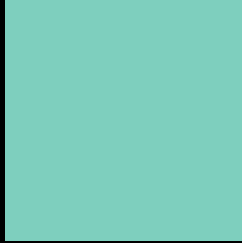
Large Text (above 18pt) WCAG AA × Fail

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 52.7790, 0.2685, 0.3524 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

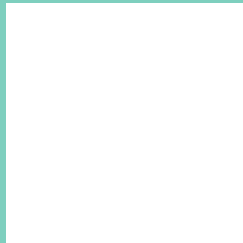
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7790, 0.2685, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 52.7790, 0.2685, 0.3524.

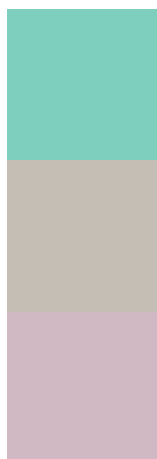


This preview shows how white text looks on a background with the Yxy color 52.7790, 0.2685, 0.3524.

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

52.7790, 0.2685, 0.3524

Protanopia

52.0334, 0.3255, 0.3402

Deuteranopia

52.0480, 0.3242, 0.3171



Tritanopia

52.8129, 0.2554, 0.3079

Trichromacy



Original Color

52.7790, 0.2685, 0.3524

Protanomaly

51.5985, 0.3018, 0.3447

Deuteranomaly

51.4552, 0.3008, 0.3290

Tritanomaly

52.4856, 0.2600, 0.3235

Monochromacy



Original Color

52.7790, 0.2685, 0.3524

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.8647, 0.2941, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7790, 0.2685, 0.3524 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(126, 207, 190)` looks like.

```
.text, #text, p{  
    color:rgb(126, 207, 190)  
}
```

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(126, 207, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 207, 190) }
```

Border

The CSS property to change the border of an element to Yxy 52.7790, 0.2685, 0.3524 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(126, 207, 190) }
```

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

```
.border{ border-color:rgb(126, 207, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 207, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 207, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 207, 190);  
box-shadow:4px 4px 4px 4px rgb(126, 207,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7790, 0.2685, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 207, 190) }
```

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

```
.background{ background-color: rgb(126,  
207, 190) }
```

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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