

Converting Colors

$Y_{xy}(52.2737, 0.2663, 0.3642)$

Have a look what the booklet for
Yxy(52.2737, 0.2663, 0.3642)
contains.

Yxy(52.1755, 0.2666, 0.3643)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.1755, 0.2666, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	73D0B7
RGB	115, 208, 183
RGB Percent	45%, 82%, 72%
CMY	0.5487, 0.1844, 0.2823
CMYK	0.45, 0.00, 0.12, 0.18
HSL	164°, 50%, 63%
HSV	164°, 45%, 82%
XYZ	38.1828, 52.1755, 52.8630
YIQ	177.3430, -47.4030, -27.4910

Conversions

Conversions Part 2

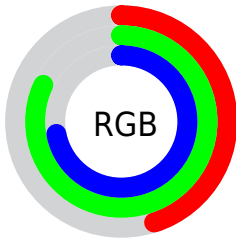
Format	Color
RYB	115, 169, 208
Decimal	7590071
CIELab	77.39, -33.59, 3.82
CIElCh	77, 33.809, 173.514
Yxy	52.1755, 0.2666, 0.3643
Android (android.graphics.Color)	4285780151 (0xFF73D0B7)
YUV	177.3430, 2.7889, -54.6748
Hunter-Lab	72.2326, -32.0504, 7.1718

Details

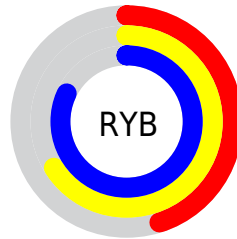
The Yxy color **52.1755, 0.2666, 0.3643** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5866, 0.3980, 0.2976**, and the grayscale version is **44.1722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4099, 0.2733, 0.3466**, and **25.2937, 0.2541, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **50.6934, 0.2594, 0.3738**, and if you desaturate by 10%, it is **53.9892, 0.2753, 0.3553**.

Distribution



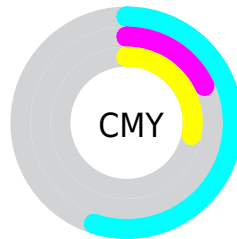
- Red (45%)
- Green (82%)
- Blue (72%)



- Red (45%)
- Yellow (66%)
- Blue (82%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)





- Cyan (55%)
- Magenta (18%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1755, 0.2666, 0.3643 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 52.1755, 0.2666, 0.3643 by changing the saturation by 10% instead.


 52.1755, 0.2666,
0.3643


 52.1755, 0.2666,
0.3643


395.1138, 0.2893,
0.3467

 37.1450, 0.2611,
0.3687


 93.3900, 0.2748,
0.3579

 25.3198, 0.2540,
0.3743


 120.3428, 0.2778,
0.3555

 16.3155, 0.2448,
0.3817


 152.0385, 0.2805,
0.3535

 9.7476, 0.2321,
0.3920

188.8614, 0.2827,
0.3518

 5.2320, 0.2137,
0.4073

231.1960, 0.2847,
0.3502

 2.3840, 0.1850,
0.4321

279.4267, 0.2864,

 0.8176, 0.0000,

0.3489

0.5674

333.9378, 0.2879,
0.3478

0.0000, 0.0000,
0.0000

52.1755, 0.2666,
0.3643

52.1755, 0.2666,
0.3643

50.6934, 0.2594,
0.3738

53.9892, 0.2753,
0.3553

49.5148, 0.2539,
0.3837

56.1480, 0.2852,
0.3469

48.6175, 0.2503,
0.3938

58.6721, 0.2959,
0.3391


47.9731, 0.2488,
0.4039

61.5784, 0.3073,
0.3321

47.5471, 0.2491,
0.4140

64.8827, 0.3190,
0.3257

 47.3762, 0.2498,
0.4193

 68.5998, 0.3308,
0.3200

 71.6497, 0.3383,
0.3147

 71.9549, 0.3341,
0.3092

 72.2702, 0.3301,
0.3037

Harmonies

Analogous

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



52.1755, 0.3082, 0.3999



52.1755, 0.2666, 0.3643



52.1755, 0.2385, 0.3191

Triad

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



52.1755, 0.2666, 0.3643



52.1755, 0.2693, 0.2567



52.1755, 0.4037, 0.3669

Complementary

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



52.1755, 0.2666, 0.3643



27.5866, 0.3980, 0.2976

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.



52.1755, 0.3926, 0.3306



52.1755, 0.2666, 0.3643



52.1755, 0.3120, 0.2698

Square

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



52.1755, 0.2666, 0.3643



52.1755, 0.2402, 0.2600



52.1755, 0.3580, 0.2961



52.1755, 0.3884, 0.3972

Rectangle

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



52.1755, 0.2666, 0.3643



52.1755, 0.2302, 0.2924



52.1755, 0.3580, 0.2961



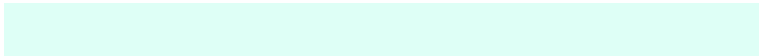
52.1755, 0.4030, 0.3551

Sweetspot

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



52.1776, 0.2666, 0.3643



93.6850, 0.2976, 0.3380



52.0461, 0.3245, 0.4601



19.8457, 0.2951, 0.3397



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.



52.1776, 0.2666, 0.3643



80.3833, 0.2594, 0.3738



44.1124, 0.2481, 0.3005



13.3506, 0.3018, 0.3353



29.5473, 0.2494, 0.4179



1.6649, 0.2443, 0.3995

Inverse Universe

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



27.5866, 0.3980, 0.2976



36.3966, 0.4286, 0.2916



32.0379, 0.4187, 0.3549



11.8597, 0.3249, 0.3228



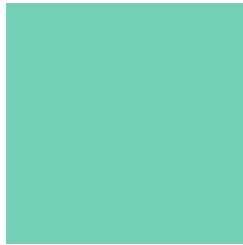
8.5492, 0.5853, 0.2998



0.4914, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 52.1755, 0.2666, 0.3643 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 52.1755, 0.2666, 0.3643 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

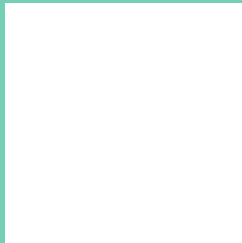
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1755, 0.2666, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 52.1755, 0.2666, 0.3643.



This preview shows how white text looks on a background with the Yxy color 52.1755, 0.2666, 0.3643.

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

52.1755, 0.2666, 0.3643

Protanopia

51.2826, 0.3319, 0.3491

Deuteranopia

51.4671, 0.3308, 0.3243



Tritanopia

52.1863, 0.2511, 0.3076

Trichromacy



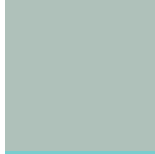
Original Color

52.1755, 0.2666, 0.3643



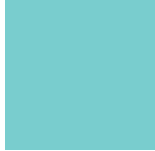
Protanomaly

50.8697, 0.3037, 0.3543



Deuteranomaly

50.7991, 0.3035, 0.3381



Tritanomaly

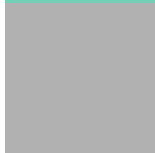
52.1838, 0.2564, 0.3275

Monochromacy



Original Color

52.1755, 0.2666, 0.3643



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.0911, 0.2922, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1755, 0.2666, 0.3643 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(115, 208, 183)` looks like.

```
.text, #text, p{  
    color:rgb(115, 208, 183)  
}
```

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(115, 208, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 208, 183) }
```

Border

The CSS property to change the border of an element to Yxy 52.1755, 0.2666, 0.3643 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(115, 208, 183) }
```

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

```
.border{ border-color:rgb(115, 208, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 208, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 208, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 208, 183); box-shadow:4px 4px 4px 4px rgb(115, 208, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1755, 0.2666, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 208, 183) }
```

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

```
.background{ background-color: rgb(115,  
208, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor