

Converting Colors

$Yxy(52.5213, 0.2649, 0.3750)$

Have a look what the booklet for
Yxy(52.5213, 0.2649, 0.3750)
contains.

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Color

$\text{Yxy}(52.3717, 0.2651, 0.3750)$

Conversions

Conversions Part 1

Format	Color
Hex	6AD2B2
RGB	106, 210, 178
RGB Percent	42%, 82%, 70%
CMY	0.5843, 0.1764, 0.3021
CMYK	0.50, 0.00, 0.15, 0.18
HSL	162°, 54%, 62%
HSV	162°, 50%, 82%
XYZ	37.0233, 52.3717, 50.2629
YIQ	175.2560, -51.7120, -32.0000

Conversions

Conversions Part 2

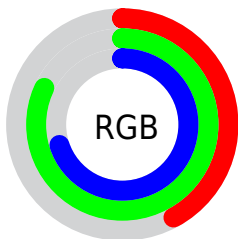
Format	Color
R _{YB}	106, 167, 210
Decimal	7000754
CIE _{Lab}	77.50, -37.87, 6.64
CIE _{LCh}	78, 38.447, 170.053
Y _{xy}	52.3717, 0.2651, 0.3750
Android (android.graphics.Color)	4285190834 (0xFF6AD2B2)
YUV	175.2560, 1.3528, -60.7375
Hunter-Lab	72.3683, -35.3247, 9.4784

Details

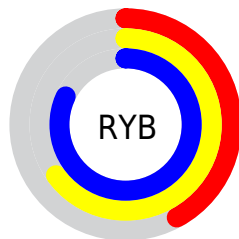
The Yxy color **52.3717, 0.2651, 0.3750** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8450, 0.4068, 0.2894**, and the grayscale version is **43.0213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2470, 0.2718, 0.3526**, and **25.4812, 0.2522, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **50.9873, 0.2590, 0.3863**, and if you desaturate by 10%, it is **54.0875, 0.2727, 0.3643**.

Distribution



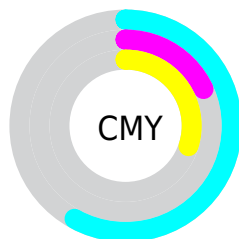
- Red (42%)
- Green (82%)
- Blue (70%)



- Red (42%)
- Yellow (65%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3717, 0.2651, 0.3750 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 52.3717, 0.2651, 0.3750 by changing the saturation by 10% instead.


 52.3717, 0.2651,
0.3750

 52.3717, 0.2651,
0.3750


395.8699, 0.2887,
0.3519

 37.3014, 0.2593,
0.3808


 93.6792, 0.2736,
0.3666

 25.4410, 0.2519,
0.3883


 120.6852, 0.2768,
0.3634

 16.4059, 0.2422,
0.3983


 152.4386, 0.2795,
0.3607

 9.8118, 0.2288,
0.4124


 189.3237, 0.2819,
0.3584

 5.2744, 0.2093,
0.4334

231.7250, 0.2839,
0.3565

 2.4091, 0.1786,
0.4681

280.0269, 0.2857,

 0.8306, 0.0000,


0.3547

0.6537

334.6137, 0.2873,
0.3532


 0.0000, 0.0000,
0.0000

 52.3717, 0.2651,
0.3750


 52.3717, 0.2651,
0.3750


 50.9873, 0.2590,
0.3863


 54.0875, 0.2727,
0.3643


 49.9045, 0.2548,
0.3979


 56.1497, 0.2817,
0.3542


 49.0985, 0.2525,
0.4097


 58.5797, 0.2916,
0.3449

 48.5376, 0.2523,
0.4214


 61.3955, 0.3022,
0.3364

 48.1672, 0.2537,
0.4330

 64.6138, 0.3132,
0.3287

 48.1513, 0.2538,
0.4335

 68.2503, 0.3245,
0.3218

 72.3200, 0.3357,
0.3156

 73.0538, 0.3325,
0.3093

 73.4234, 0.3278,
0.3030

Harmonies

Analogous

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



52.3717, 0.3130, 0.4135



52.3717, 0.2651, 0.3750



52.3717, 0.2317, 0.3230

Triad

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



52.3717, 0.2651, 0.3750



52.3717, 0.2589, 0.2473



52.3717, 0.4161, 0.3663

Complementary

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



52.3717, 0.2651, 0.3750



25.8450, 0.4068, 0.2894

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.



52.3717, 0.4002, 0.3255



52.3717, 0.2651, 0.3750



52.3717, 0.3056, 0.2601

Square

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



52.3717, 0.2651, 0.3750



52.3717, 0.2287, 0.2529



52.3717, 0.3583, 0.2879



52.3717, 0.4016, 0.4023

Rectangle

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



52.3717, 0.2651, 0.3750



52.3717, 0.2208, 0.2917



52.3717, 0.3583, 0.2879



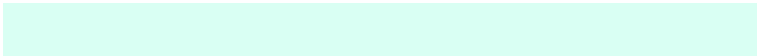
52.3717, 0.4142, 0.3528

Sweetspot

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



52.3738, 0.2651, 0.3750



92.7178, 0.2962, 0.3411



52.6202, 0.3275, 0.4750



19.6509, 0.2939, 0.3429



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.



52.3738, 0.2651, 0.3750



79.0831, 0.2590, 0.3864



44.9518, 0.2431, 0.3019



13.3425, 0.3023, 0.3363



29.3881, 0.2533, 0.4318



1.6570, 0.2474, 0.4106

Inverse Universe

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



25.8450, 0.4068, 0.2894



33.5023, 0.4381, 0.2832



29.4262, 0.4383, 0.3531



11.8673, 0.3243, 0.3219



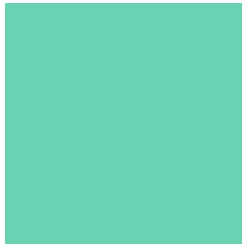
8.6042, 0.5717, 0.2923



0.4953, 0.5188, 0.2632

Previews

White Background



This preview shows how the Yxy color 52.3717, 0.2651, 0.3750 looks on a white background.

Color Contrast Check

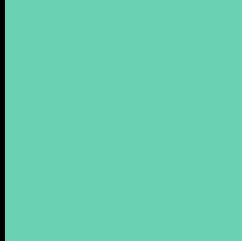
Large Text (above 18pt) WCAG AA × Fail

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 52.3717, 0.2651, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

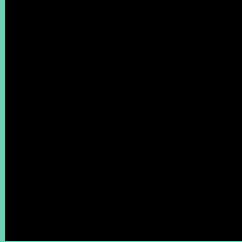
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

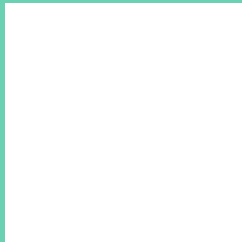
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3717, 0.2651, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 52.3717, 0.2651, 0.3750.

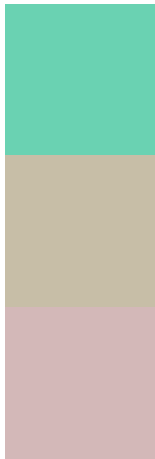


This preview shows how white text looks on a background with the Yxy color 52.3717, 0.2651, 0.3750.

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

52.3717, 0.2651, 0.3750

Protanopia

51.7590, 0.3383, 0.3578

Deuteranopia

51.5906, 0.3359, 0.3291



Tritanopia

52.2046, 0.2473, 0.3075

Trichromacy



Original Color

52.3717, 0.2651, 0.3750



Protanomaly

50.8721, 0.3064, 0.3639



Deuteranomaly

50.4016, 0.3049, 0.3434



Tritanomaly

52.1278, 0.2536, 0.3302

Monochromacy



Original Color

52.3717, 0.2651, 0.3750



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.5851, 0.2913, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3717, 0.2651, 0.3750 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(106, 210, 178)` looks like.

```
.text, #text, p{  
    color:rgb(106, 210, 178)  
}
```

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(106, 210, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 210, 178) }
```

Border

The CSS property to change the border of an element to Yxy 52.3717, 0.2651, 0.3750 is called "border". The border property can be set on classes, ids or directly on the HTML element.

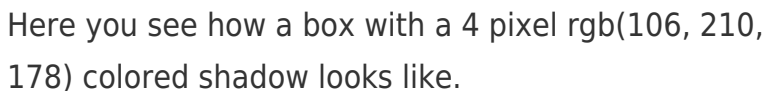
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 210, 178) }
```

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

```
.border{ border-color:rgb(106, 210, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 210, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 210, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 210, 178); box-shadow:4px 4px 4px 4px rgb(106, 210, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3717, 0.2651, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 210, 178) }
```

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

```
.background{ background-color: rgb(106,  
210, 178) }
```

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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