

Converting Colors

$Yxy(42.5154, 0.2629, 0.3517)$

Have a look what the booklet for
Yxy(42.5154, 0.2629, 0.3517)
contains.

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Color

Yxy(42.5154, 0.2629, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	6ABDAE
RGB	106, 189, 174
RGB Percent	42%, 74%, 68%
CMY	0.5844, 0.2588, 0.3175
CMYK	0.44, 0.00, 0.08, 0.26
HSL	169°, 39%, 58%
HSV	169°, 44%, 74%
XYZ	31.7808, 42.5154, 46.5892
YIQ	162.4730, -44.6530, -22.2610

Conversions

Conversions Part 2

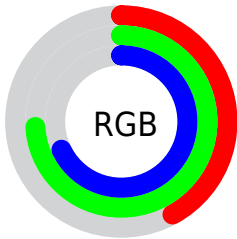
Format	Color
RYB	106, 152, 189
Decimal	6995374
CIELab	71.22, -28.93, -0.32
CIElCh	71, 28.932, 180.636
Yxy	42.5154, 0.2629, 0.3517
Android (android.graphics.Color)	4285185454 (0xFF6ABDAE)
YUV	162.4730, 5.6828, -49.5268
Hunter-Lab	65.2038, -27.1046, 3.2790

Details

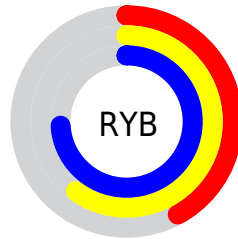
The Yxy color **42.5154, 0.2629, 0.3517** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.5010, 0.4056, 0.3085**, and the grayscale version is **36.3517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2501, 0.2726, 0.3485**, and **19.4112, 0.2482, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **41.3530, 0.2548, 0.3578**, and if you desaturate by 10%, it is **43.9397, 0.2725, 0.3459**.

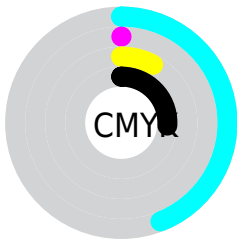
Distribution



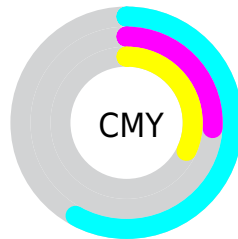
- Red (42%)
- Green (74%)
- Blue (68%)



- Red (42%)
- Yellow (60%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5154, 0.2629, 0.3517 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 42.5154, 0.2629, 0.3517 by changing the saturation by 10% instead.


 42.5154, 0.2629,
0.3517

 42.5154, 0.2629,
0.3517


356.6150, 0.2881,
0.3403


 29.5051, 0.2566,
0.3546


 78.9791, 0.2721,
0.3475

 19.4632, 0.2484,
0.3583


 103.2012, 0.2755,
0.3460

 12.0055, 0.2374,
0.3632


 131.9294, 0.2784,
0.3447

 6.7474, 0.2221,
0.3701

 165.5480, 0.2809,
0.3435

 3.3046, 0.1991,
0.3804

204.4415, 0.2831,
0.3425

 1.2928, 0.1482,
0.4034

248.9943, 0.2849,

 0.1356, 0.0000,

0.3417

0.4436

299.5906, 0.2866,
0.3409

0.0000, 0.0000,
0.0000

42.5154, 0.2629,
0.3517

42.5154, 0.2629,
0.3517

41.3530, 0.2548,
0.3578

43.9397, 0.2725,
0.3459

40.4304, 0.2485,
0.3641

45.6363, 0.2833,
0.3404

39.7304, 0.2440,
0.3706


47.6211, 0.2952,
0.3353

39.2309, 0.2415,
0.3771

49.9073, 0.3077,
0.3307

38.9056, 0.2408,
0.3835


52.5072, 0.3206,
0.3265

 38.7612, 0.2410,
0.3874

 55.4327, 0.3337,
0.3227

 58.6947, 0.3468,
0.3194

 61.8888, 0.3579,
0.3164

 62.0514, 0.3551,
0.3129

Harmonies

Analogous

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



42.5154, 0.2991, 0.3875



42.5154, 0.2629, 0.3517



42.5154, 0.2407, 0.3110

Triad

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



42.5154, 0.2629, 0.3517



42.5154, 0.2814, 0.2638



42.5154, 0.3949, 0.3717

Complementary

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



42.5154, 0.2629, 0.3517



22.5010, 0.4056, 0.3085

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.



42.5154, 0.3904, 0.3389



42.5154, 0.2629, 0.3517



42.5154, 0.3224, 0.2792

Square

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



42.5154, 0.2629, 0.3517



42.5154, 0.2508, 0.2632



42.5154, 0.3632, 0.3059



42.5154, 0.3760, 0.3966

Rectangle

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



42.5154, 0.2629, 0.3517



42.5154, 0.2358, 0.2883



42.5154, 0.3632, 0.3059



42.5154, 0.3961, 0.3612

Sweetspot

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



42.5171, 0.2629, 0.3517



85.5619, 0.2960, 0.3350



41.5166, 0.3178, 0.4595



18.2189, 0.2934, 0.3361



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.5171, 0.2629, 0.3517



74.0741, 0.2549, 0.3578



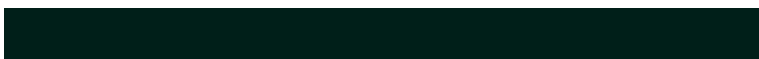
32.8289, 0.2471, 0.2880



10.7792, 0.3008, 0.3332



26.0884, 0.2407, 0.3866



1.0297, 0.2364, 0.3712

Inverse Universe

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



22.5010, 0.4056, 0.3085



33.4991, 0.4396, 0.3046



28.4343, 0.4100, 0.3657



9.5637, 0.3261, 0.3249



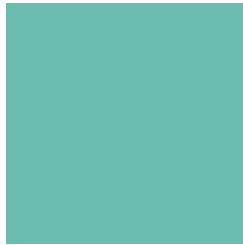
7.3656, 0.6101, 0.3134



0.2972, 0.5474, 0.2789

Previews

White Background



This preview shows how the Yxy color 42.5154, 0.2629, 0.3517 looks on a white background.

Color Contrast Check

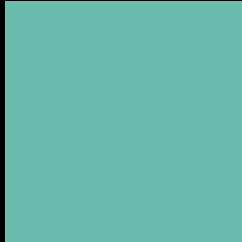
Large Text (above 18pt) WCAG AA × Fail

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 42.5154, 0.2629, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

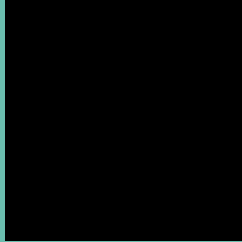
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

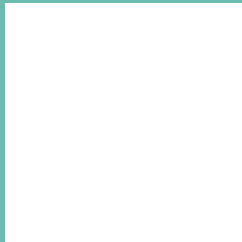
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5154, 0.2629, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 42.5154, 0.2629, 0.3517.



This preview shows how white text looks on a background with the Yxy color 42.5154, 0.2629, 0.3517.

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

42.5154, 0.2629, 0.3517

Protanopia

42.1875, 0.3249, 0.3399

Deuteranopia

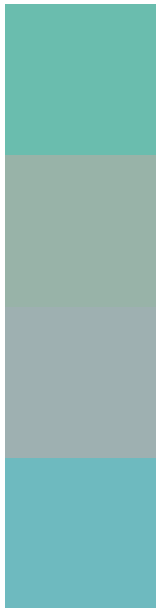
41.9110, 0.3225, 0.3160



Tritanopia

42.3788, 0.2507, 0.3072

Trichromacy



Original Color

42.5154, 0.2629, 0.3517

Protanomaly

41.7428, 0.2985, 0.3448

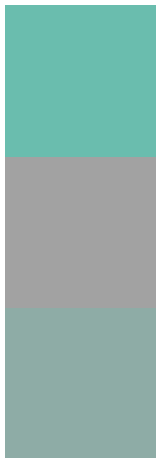
Deuteranomaly

41.4941, 0.2965, 0.3275

Tritanomaly

42.1944, 0.2544, 0.3215

Monochromacy



Original Color

42.5154, 0.2629, 0.3517

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.0090, 0.2915, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5154, 0.2629, 0.3517 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, 189, 174)` looks like.

```
.text, #text, p{  
    color:rgb(106, 189, 174)  
}
```

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, 189, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 189, 174) }
```

Border

The CSS property to change the border of an element to Yxy 42.5154, 0.2629, 0.3517 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, 189, 174) }
```

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

```
.border{ border-color:rgb(106, 189, 174) }
```

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

Here you see how a box with a 4 pixel rgb(106, 189, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 189, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 189, 174);  
box-shadow:4px 4px 4px 4px rgb(106, 189,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5154, 0.2629, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 189, 174) }
```

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

```
.background{ background-color: rgb(106,  
189, 174) }
```

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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