

Converting Colors

$Y_{xy}(41.5849, 0.2623, 0.3556)$

Have a look what the booklet for
Yxy(41.5849, 0.2623, 0.3556)
contains.

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Color

Yxy(41.6935, 0.2628, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	66BCAA
RGB	102, 188, 170
RGB Percent	40%, 74%, 67%
CMY	0.6001, 0.2627, 0.3332
CMYK	0.46, 0.00, 0.10, 0.26
HSL	167°, 39%, 57%
HSV	167°, 46%, 74%
XYZ	30.7178, 41.6935, 44.4754
YIQ	160.2340, -45.4780, -23.8300

Conversions

Conversions Part 2

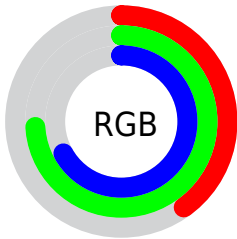
Format	Color
RYB	102, 150, 188
Decimal	6732970
CIELab	70.66, -30.40, 1.02
CIELCh	71, 30.421, 178.082
Yxy	41.6935, 0.2628, 0.3567
Android (android.graphics.Color)	4284923050 (0xFF66BCAA)
YUV	160.2340, 4.8146, -51.0712
Hunter-Lab	64.5705, -28.0814, 4.3611

Details

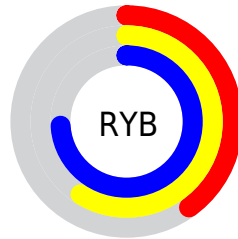
The Yxy color **41.6935, 0.2628, 0.3567** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.5427, 0.4078, 0.3043**, and the grayscale version is **35.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0102, 0.2725, 0.3522**, and **18.9161, 0.2481, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **40.5724, 0.2553, 0.3639**, and if you desaturate by 10%, it is **43.0714, 0.2719, 0.3498**.

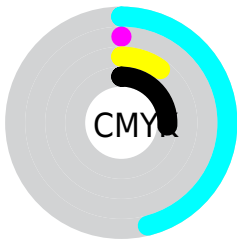
Distribution



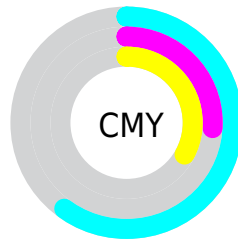
- Red (40%)
- Green (74%)
- Blue (67%)



- Red (40%)
- Yellow (59%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)





- Cyan (60%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6935, 0.2628, 0.3567 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 41.6935, 0.2628, 0.3567 by changing the saturation by 10% instead.


 41.6935, 0.2628,
0.3567

 41.6935, 0.2628,
0.3567


353.2108, 0.2881,
0.3426

 28.8614, 0.2564,
0.3603


 77.7355, 0.2721,
0.3515


 18.9760, 0.2480,
0.3650


 101.7142, 0.2756,
0.3496

 11.6529, 0.2369,
0.3713


 130.1772, 0.2785,
0.3479

 6.5078, 0.2211,
0.3803

 163.5090, 0.2810,
0.3466

 3.1562, 0.1973,
0.3941

202.0938, 0.2831,
0.3454

 1.2138, 0.1341,
0.4291

246.3161, 0.2850,

 0.0730, 0.0000,

0.3443

0.8982

296.5603, 0.2867,
0.3434

■ 0.0000, 0.0000,
0.0000

■ 41.6935, 0.2628,
0.3567

■ 41.6935, 0.2628,
0.3567

■ 40.5724, 0.2553,
0.3639

■ 43.0714, 0.2719,
0.3498

■ 39.6861, 0.2495,
0.3714

■ 44.7166, 0.2822,
0.3434

■ 39.0169, 0.2456,
0.3789


■ 46.6450, 0.2935,
0.3374

■ 38.5426, 0.2436,
0.3866

■ 48.8699, 0.3056,
0.3319

■ 38.2351, 0.2435,
0.3941

■ 51.4036, 0.3180,
0.3270

 38.1303, 0.2437,
0.3973

 54.2578, 0.3307,
0.3225

 57.4437, 0.3434,
0.3186

 60.9717, 0.3559,
0.3151

 61.6547, 0.3548,
0.3112

Harmonies

Analogous

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



41.6935, 0.3018, 0.3936



41.6935, 0.2628, 0.3567



41.6935, 0.2380, 0.3132

Triad

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



41.6935, 0.2628, 0.3567



41.6935, 0.2763, 0.2596



41.6935, 0.4002, 0.3711

Complementary

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



41.6935, 0.2628, 0.3567



21.5427, 0.4078, 0.3043

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.



41.6935, 0.3934, 0.3361



41.6935, 0.2628, 0.3567



41.6935, 0.3190, 0.2746

Square

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



41.6935, 0.2628, 0.3567



41.6935, 0.2455, 0.2604



41.6935, 0.3628, 0.3018



41.6935, 0.3820, 0.3986

Rectangle

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



41.6935, 0.2628, 0.3567



41.6935, 0.2319, 0.2885



41.6935, 0.3628, 0.3018



41.6935, 0.4009, 0.3598

Sweetspot

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



41.6952, 0.2628, 0.3567



85.1151, 0.2954, 0.3365



40.9641, 0.3200, 0.4647



18.1278, 0.2928, 0.3378



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.



41.6952, 0.2628, 0.3567



73.5022, 0.2552, 0.3640



32.8717, 0.2455, 0.2907



10.7745, 0.3012, 0.3338



25.9705, 0.2434, 0.3964



1.0260, 0.2384, 0.3783

Inverse Universe

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



21.5427, 0.4078, 0.3043



32.4061, 0.4421, 0.2998



26.6605, 0.4175, 0.3632



9.5681, 0.3256, 0.3242



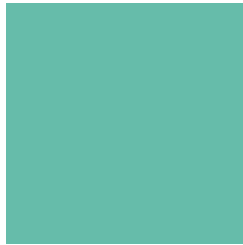
7.3892, 0.6025, 0.3093



0.2991, 0.5359, 0.2726

Previews

White Background



This preview shows how the Yxy color 41.6935, 0.2628, 0.3567 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 41.6935, 0.2628, 0.3567 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

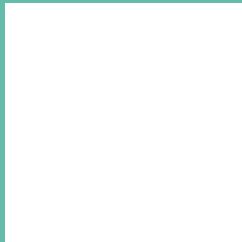
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6935, 0.2628, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 41.6935, 0.2628, 0.3567.



This preview shows how white text looks on a background with the Yxy color 41.6935, 0.2628, 0.3567.

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

41.6935, 0.2628, 0.3567

Protanopia

41.1640, 0.3277, 0.3427

Deuteranopia

41.2974, 0.3243, 0.3185



Tritanopia

41.7195, 0.2493, 0.3070

Trichromacy



Original Color

41.6935, 0.2628, 0.3567

Protanomaly

40.6086, 0.2999, 0.3479

Deuteranomaly

40.7450, 0.2979, 0.3318

Tritanomaly

41.4546, 0.2542, 0.3243

Monochromacy



Original Color

41.6935, 0.2628, 0.3567

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.9188, 0.2905, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6935, 0.2628, 0.3567 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(102, 188, 170)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 170)  
}
```

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(102, 188, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 170) }
```

Border

The CSS property to change the border of an element to Yxy 41.6935, 0.2628, 0.3567 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(102, 188, 170) }
```

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

```
.border{ border-color:rgb(102, 188, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 188, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 170);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6935, 0.2628, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 170) }
```

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

```
.background{ background-color: rgb(102,  
188, 170) }
```

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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