

Converting Colors

$Yxy(47.1631, 0.2530, 0.3429)$

Have a look what the booklet for
Yxy(47.1631, 0.2530, 0.3429)
contains.

Yxy(47.1736, 0.2530, 0.3435)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.1736, 0.2530, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	63C7BD
RGB	99, 199, 189
RGB Percent	39%, 78%, 74%
CMY	0.6122, 0.2195, 0.2589
CMYK	0.50, 0.00, 0.05, 0.22
HSL	174°, 47%, 58%
HSV	174°, 50%, 78%
XYZ	34.7450, 47.1736, 55.4135
YIQ	167.9600, -56.3900, -24.3100

Conversions

Conversions Part 2

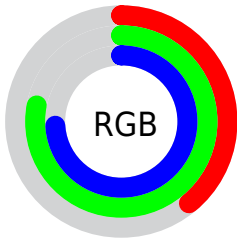
Format	Color
RYB	99, 152, 199
Decimal	6539197
CIELab	74.30, -31.72, -3.99
CIElCh	74, 31.967, 187.167
Yxy	47.1736, 0.2530, 0.3435
Android (android.graphics.Color)	4284729277 (0xFF63C7BD)
YUV	167.9600, 10.3727, -60.4779
Hunter-Lab	68.6830, -29.8966, 0.2429

Details

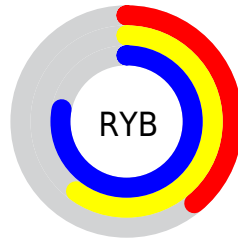
The Yxy color **47.1736, 0.2530, 0.3435** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.1514, 0.4394, 0.3164**, and the grayscale version is **39.0947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1805, 0.2633, 0.3401**, and **22.3857, 0.2368, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **46.1047, 0.2454, 0.3469**, and if you desaturate by 10%, it is **48.5235, 0.2623, 0.3403**.

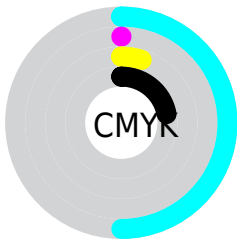
Distribution



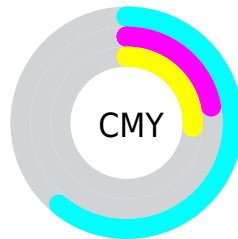
- Red (39%)
- Green (78%)
- Blue (74%)



- Red (39%)
- Yellow (60%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)




- Cyan (61%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1736, 0.2530, 0.3435 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 47.1736, 0.2530, 0.3435 by changing the saturation by 10% instead.


 47.1736, 0.2530,
0.3435

 47.1736, 0.2530,
0.3435


375.5070, 0.2824,
0.3367


 33.1729, 0.2458,
0.3451


 85.9727, 0.2636,
0.3411


 22.2589, 0.2367,
0.3470


 111.5399, 0.2676,
0.3402

 14.0473, 0.2247,
0.3494


 141.7314, 0.2710,
0.3394

 8.1536, 0.2084,
0.3524

 176.9316, 0.2739,
0.3387

 4.1934, 0.1850,
0.3563

217.5248, 0.2764,
0.3381

 1.7823, 0.1481,
0.3613

263.8956, 0.2787,

 0.4761, 0.0000,

0.3376

0.3739

316.4282, 0.2807,
0.3371

0.0000, 0.0000,
0.0000

47.1736, 0.2530,
0.3435

47.1736, 0.2530,
0.3435

46.1047, 0.2454,
0.3469

48.5235, 0.2623,
0.3403

45.2905, 0.2397,
0.3503

50.1673, 0.2732,
0.3372

44.7093, 0.2359,
0.3537

52.1240, 0.2853,
0.3342

44.3332, 0.2340,
0.3571

54.4091, 0.2984,
0.3315

44.1130, 0.2335,
0.3604

57.0373, 0.3123,
0.3291

■ 60.0224, 0.3266,
0.3268

■ 63.3773, 0.3410,
0.3248

■ 66.5193, 0.3529,
0.3230

■ 66.6161, 0.3514,
0.3210

Harmonies

Analogous

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



47.1736, 0.2888, 0.3847



47.1736, 0.2530, 0.3435



47.1736, 0.2335, 0.3010

Triad

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



47.1736, 0.2530, 0.3435



47.1736, 0.2881, 0.2622



47.1736, 0.3979, 0.3810

Complementary

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



47.1736, 0.2530, 0.3435



22.1514, 0.4394, 0.3164

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.



47.1736, 0.3990, 0.3471



47.1736, 0.2530, 0.3435



47.1736, 0.3329, 0.2814

Square

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



47.1736, 0.2530, 0.3435



47.1736, 0.2526, 0.2578



47.1736, 0.3746, 0.3116



47.1736, 0.3729, 0.4046

Rectangle

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



47.1736, 0.2530, 0.3435



47.1736, 0.2313, 0.2790



47.1736, 0.3746, 0.3116



47.1736, 0.4012, 0.3704

Sweetspot

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



47.1754, 0.2530, 0.3435



93.2092, 0.2919, 0.3328



45.1059, 0.3130, 0.4838



19.7701, 0.2891, 0.3334



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.



47.1754, 0.2530, 0.3435



80.6171, 0.2450, 0.3471



32.1347, 0.2363, 0.2700



12.0486, 0.2997, 0.3313



28.3677, 0.2333, 0.3600



1.3486, 0.2314, 0.3529

Inverse Universe

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



22.1514, 0.4394, 0.3164



32.0546, 0.4835, 0.3149



31.0136, 0.4256, 0.3794



10.6539, 0.3274, 0.3267



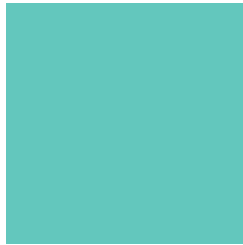
7.8461, 0.6272, 0.3229



0.3775, 0.5889, 0.3018

Previews

White Background



This preview shows how the Yxy color 47.1736, 0.2530, 0.3435 looks on a white background.

Color Contrast Check

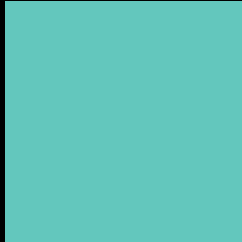
Large Text (above 18pt) WCAG AA × Fail

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 47.1736, 0.2530, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

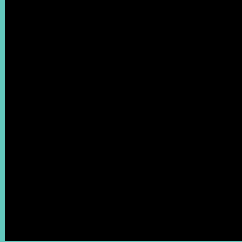
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

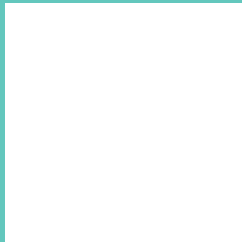
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1736, 0.2530, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 47.1736, 0.2530, 0.3435.

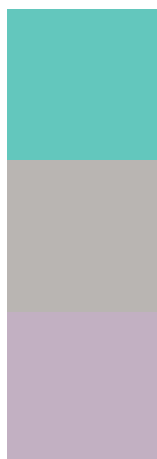


This preview shows how white text looks on a background with the Yxy color 47.1736, 0.2530, 0.3435.

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

47.1736, 0.2530, 0.3435

Protanopia

46.5764, 0.3186, 0.3329

Deuteranopia

46.4150, 0.3138, 0.3065



Tritanopia

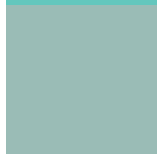
47.2472, 0.2440, 0.3079

Trichromacy



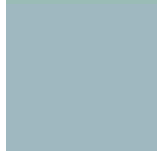
Original Color

47.1736, 0.2530, 0.3435



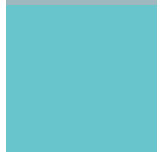
Protanomaly

46.2139, 0.2901, 0.3372



Deuteranomaly

45.4577, 0.2866, 0.3181



Tritanomaly

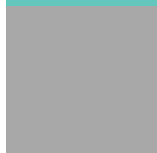
47.1279, 0.2470, 0.3203

Monochromacy



Original Color

47.1736, 0.2530, 0.3435



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.2144, 0.2853, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1736, 0.2530, 0.3435 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(99, 199, 189)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 189)  
}
```

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(99, 199, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.1736, 0.2530, 0.3435 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(99, 199, 189) }
```

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

```
.border{ border-color:rgb(99, 199, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 189);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1736, 0.2530, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 189) }
```

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

```
.background{ background-color: rgb(99, 199,  
189) }
```

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