

Converting Colors

$Y_{xy}(47.0260, 0.2568, 0.3389)$

Have a look what the booklet for
Yxy(47.0260, 0.2568, 0.3389)
contains.

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Color

Yxy(46.9014, 0.2571, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	6DC5BE
RGB	109, 197, 190
RGB Percent	43%, 77%, 75%
CMY	0.5723, 0.2275, 0.2550
CMYK	0.45, 0.00, 0.04, 0.23
HSL	175°, 43%, 60%
HSV	175°, 45%, 77%
XYZ	35.5704, 46.9014, 55.8805
YIQ	169.8900, -50.2010, -20.8330

Conversions

Conversions Part 2

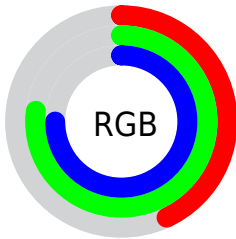
Format	Color
RYB	109, 155, 197
Decimal	7194046
CIELab	74.13, -28.16, -4.74
CIELCh	74, 28.554, 189.547
Yxy	46.9014, 0.2571, 0.3390
Android (android.graphics.Color)	4285384126 (0xFF6DC5BE)
YUV	169.8900, 9.9142, -53.4005
Hunter-Lab	68.4846, -27.1366, -0.4388

Details

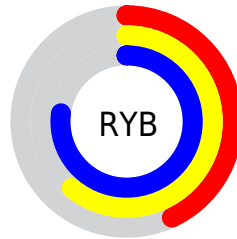
The Yxy color **46.9014, 0.2571, 0.3390** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.0828, 0.4206, 0.3200**, and the grayscale version is **40.1162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5368, 0.2669, 0.3377**, and **22.1549, 0.2417, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **45.7216, 0.2484, 0.3416**, and if you desaturate by 10%, it is **48.3657, 0.2675, 0.3365**.

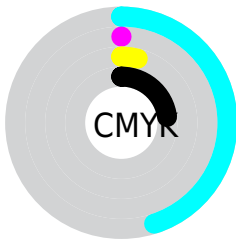
Distribution



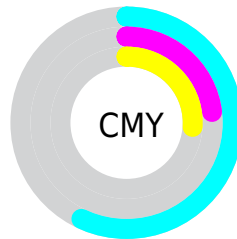
- Red (43%)
- Green (77%)
- Blue (75%)



- Red (43%)
- Yellow (61%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (57%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9014, 0.2571, 0.3390 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 46.9014, 0.2571, 0.3390 by changing the saturation by 10% instead.


 46.9014, 0.2571,
0.3390


 46.9014, 0.2571,
0.3390


374.4208, 0.2845,
0.3344

 32.9577, 0.2504,
0.3400


 85.5664, 0.2670,
0.3374

 22.0941, 0.2419,
0.3412


 111.0566, 0.2707,
0.3368

 13.9260, 0.2307,
0.3427


 141.1643, 0.2739,
0.3363

 8.0692, 0.2154,
0.3445

176.2740, 0.2766,
0.3358

 4.1393, 0.1933,
0.3465

216.7701, 0.2790,
0.3354

 1.7518, 0.1589,
0.3483

263.0371, 0.2810,

 0.4568, 0.0000,

0.3350

315.4592, 0.2829,
0.3347

0.3554

0.0000, 0.0000,
0.0000

46.9014, 0.2571,
0.3390

46.9014, 0.2571,
0.3390

45.7216, 0.2484,
0.3416

48.3657, 0.2675,
0.3365

44.8017, 0.2414,
0.3443

50.1261, 0.2793,
0.3341

44.1224, 0.2364,
0.3470


52.2001, 0.2923,
0.3319

43.6591, 0.2333,
0.3497

54.6027, 0.3061,
0.3299


43.3819, 0.2319,
0.3523


57.3473, 0.3205,
0.3280

 43.2789, 0.2316,
0.3538

 60.4471, 0.3352,
0.3264

 63.9144, 0.3500,
0.3249

 65.4822, 0.3552,
0.3234

 65.5573, 0.3540,
0.3218

Harmonies

Analogous

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



46.9014, 0.2885, 0.3760



46.9014, 0.2571, 0.3390



46.9014, 0.2407, 0.3016

Triad

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



46.9014, 0.2571, 0.3390



46.9014, 0.2938, 0.2695



46.9014, 0.3880, 0.3783

Complementary

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



46.9014, 0.2571, 0.3390



24.0828, 0.4206, 0.3200

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.



46.9014, 0.3906, 0.3483



46.9014, 0.2571, 0.3390



46.9014, 0.3342, 0.2879

Square

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



46.9014, 0.2571, 0.3390



46.9014, 0.2607, 0.2645



46.9014, 0.3705, 0.3160



46.9014, 0.3644, 0.3978

Rectangle

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



46.9014, 0.2571, 0.3390



46.9014, 0.2395, 0.2824



46.9014, 0.3705, 0.3160



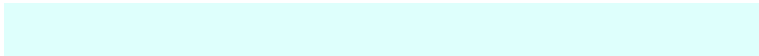
46.9014, 0.3914, 0.3690

Sweetspot

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



46.9032, 0.2571, 0.3390



94.0767, 0.2942, 0.3316



44.7765, 0.3113, 0.4649



19.9433, 0.2912, 0.3321



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.



46.9032, 0.2571, 0.3390



81.8550, 0.2482, 0.3417



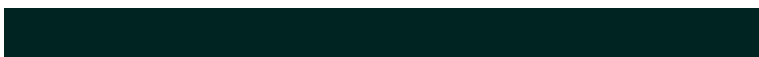
32.5517, 0.2436, 0.2732



12.0524, 0.2994, 0.3308



28.4731, 0.2315, 0.3534



1.3526, 0.2300, 0.3478

Inverse Universe

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



24.0828, 0.4206, 0.3200



35.6188, 0.4609, 0.3184



33.4410, 0.4070, 0.3778



10.6504, 0.3277, 0.3272



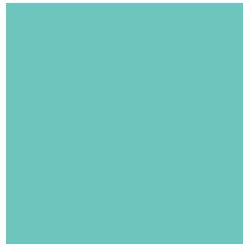
7.8368, 0.6302, 0.3245



0.3759, 0.5984, 0.3070

Previews

White Background



This preview shows how the Yxy color 46.9014, 0.2571, 0.3390 looks on a white background.

Color Contrast Check

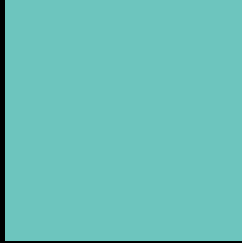
Large Text (above 18pt) WCAG AA × Fail

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 46.9014, 0.2571, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

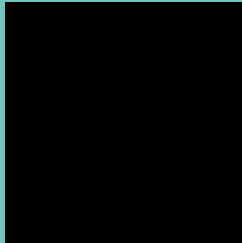
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

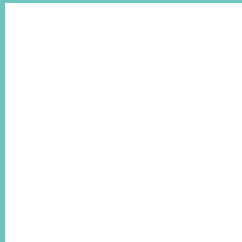
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9014, 0.2571, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 46.9014, 0.2571, 0.3390.

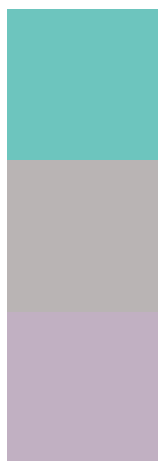


This preview shows how white text looks on a background with the Yxy color 46.9014, 0.2571, 0.3390.

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

46.9014, 0.2571, 0.3390

Protanopia

46.2521, 0.3170, 0.3290

Deuteranopia

46.2832, 0.3129, 0.3065



Tritanopia

46.8816, 0.2485, 0.3066

Trichromacy



Original Color

46.9014, 0.2571, 0.3390

Protanomaly

45.7466, 0.2908, 0.3317

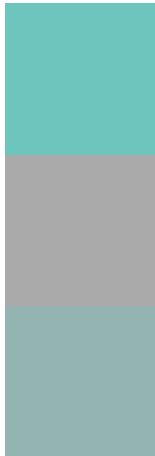
Deuteranomaly

45.8126, 0.2882, 0.3169

Tritanomaly

46.8527, 0.2515, 0.3175

Monochromacy



Original Color

46.9014, 0.2571, 0.3390

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.1127, 0.2886, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9014, 0.2571, 0.3390 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(109, 197, 190)` looks like.

```
.text, #text, p{  
    color:rgb(109, 197, 190)  
}
```

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(109, 197, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 197, 190) }
```

Border

The CSS property to change the border of an element to Yxy 46.9014, 0.2571, 0.3390 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(109, 197, 190) }
```

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

```
.border{ border-color:rgb(109, 197, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 197, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 197, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 197, 190);  
box-shadow:4px 4px 4px 4px rgb(109, 197,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9014, 0.2571, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 197, 190) }
```

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

```
.background{ background-color: rgb(109,  
197, 190) }
```

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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