

Converting Colors

$Yxy(46.3653, 0.2531, 0.3429)$

Have a look what the booklet for
Yxy(46.3653, 0.2531, 0.3429)
contains.

Yxy(46.2160, 0.2531, 0.3421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.2160, 0.2531, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	63C5BC
RGB	99, 197, 188
RGB Percent	39%, 77%, 74%
CMY	0.6115, 0.2275, 0.2628
CMYK	0.50, 0.00, 0.05, 0.23
HSL	174°, 46%, 58%
HSV	174°, 50%, 77%
XYZ	34.1925, 46.2160, 54.6865
YIQ	166.6720, -55.5190, -23.5750

Conversions

Conversions Part 2

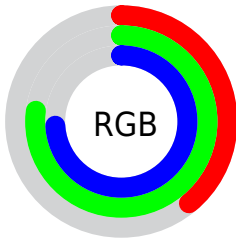
Format	Color
RYB	99, 150, 197
Decimal	6538684
CIELab	73.69, -30.97, -4.35
CIELCh	74, 31.274, 187.991
Yxy	46.2160, 0.2531, 0.3421
Android (android.graphics.Color)	4284728764 (0xFF63C5BC)
YUV	166.6720, 10.5147, -59.3483
Hunter-Lab	67.9824, -29.1904, -0.1065

Details

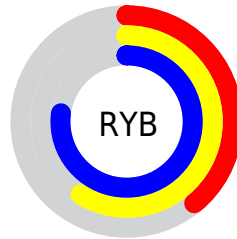
The Yxy color **46.2160, 0.2531, 0.3421** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8903, 0.4381, 0.3175**, and the grayscale version is **38.4518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4832, 0.2636, 0.3401**, and **21.7693, 0.2368, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **45.1618, 0.2454, 0.3452**, and if you desaturate by 10%, it is **47.5455, 0.2626, 0.3391**.

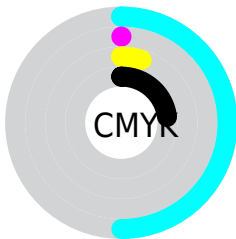
Distribution



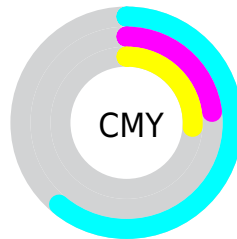
- Red (39%)
- Green (77%)
- Blue (74%)



- Red (39%)
- Yellow (59%)
- Blue (77%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)





- Cyan (61%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2160, 0.2531, 0.3421 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 46.2160, 0.2531, 0.3421 by changing the saturation by 10% instead.


 46.2160, 0.2531,
0.3421

 46.2160, 0.2531,
0.3421


371.6764, 0.2826,
0.3360


 32.4163, 0.2459,
0.3435


 84.5422, 0.2637,
0.3400


 21.6797, 0.2367,
0.3452


 109.8374, 0.2677,
0.3392

 13.6217, 0.2246,
0.3473


 139.7333, 0.2711,
0.3384

 7.8580, 0.2081,
0.3499

 174.6143, 0.2741,
0.3378

 4.0042, 0.1843,
0.3531

214.8647, 0.2766,
0.3373

 1.6759, 0.1458,
0.3573

260.8689, 0.2788,

 0.4080, 0.0000,

0.3368

0.3529

313.0113, 0.2808,
0.3364

0.0000, 0.0000,
0.0000

46.2160, 0.2531,
0.3421

46.2160, 0.2531,
0.3421

45.1618, 0.2454,
0.3452

47.5455, 0.2626,
0.3391

44.3574, 0.2395,
0.3483

49.1628, 0.2736,
0.3363

43.7818, 0.2355,
0.3514


51.0862, 0.2859,
0.3337


43.4081, 0.2334,
0.3546

53.3310, 0.2992,
0.3312

43.1864, 0.2327,
0.3577


55.9113, 0.3131,
0.3289

 43.1807, 0.2327,
0.3577

 58.8405, 0.3275,
0.3269

 62.1312, 0.3421,
0.3251

 65.4787, 0.3553,
0.3235

 65.5653, 0.3538,
0.3216

Harmonies

Analogous

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



46.2160, 0.2880, 0.3829



46.2160, 0.2531, 0.3421



46.2160, 0.2344, 0.3005

Triad

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



46.2160, 0.2531, 0.3421



46.2160, 0.2896, 0.2634



46.2160, 0.3962, 0.3812

Complementary

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



46.2160, 0.2531, 0.3421



21.8903, 0.4381, 0.3175

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.



46.2160, 0.3980, 0.3478



46.2160, 0.2531, 0.3421



46.2160, 0.3339, 0.2828

Square

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



46.2160, 0.2531, 0.3421



46.2160, 0.2543, 0.2587



46.2160, 0.3746, 0.3128



46.2160, 0.3711, 0.4039

Rectangle

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



46.2160, 0.2531, 0.3421



46.2160, 0.2325, 0.2790



46.2160, 0.3746, 0.3128



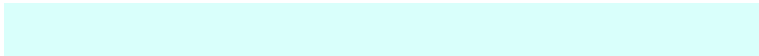
46.2160, 0.3997, 0.3707

Sweetspot

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



46.2178, 0.2531, 0.3421



93.2288, 0.2917, 0.3325



44.0756, 0.3119, 0.4822



19.7749, 0.2889, 0.3331



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.



46.2178, 0.2531, 0.3421



80.6909, 0.2445, 0.3455



31.0813, 0.2367, 0.2682



12.0501, 0.2996, 0.3311



28.4094, 0.2326, 0.3573



1.3502, 0.2308, 0.3508

Inverse Universe

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



21.8903, 0.4381, 0.3175



32.0255, 0.4851, 0.3161



31.0174, 0.4226, 0.3810



10.6525, 0.3275, 0.3269



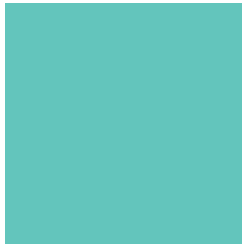
7.8422, 0.6284, 0.3236



0.3769, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 46.2160, 0.2531, 0.3421 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 46.2160, 0.2531, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

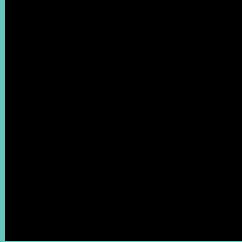
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

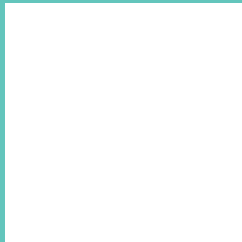
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2160, 0.2531, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 46.2160, 0.2531, 0.3421.

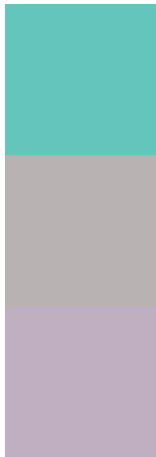


This preview shows how white text looks on a background with the Yxy color 46.2160, 0.2531, 0.3421.

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

46.2160, 0.2531, 0.3421

Protanopia

45.6449, 0.3179, 0.3303

Deuteranopia

45.7167, 0.3129, 0.3064



Tritanopia

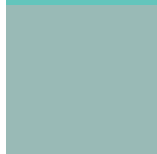
46.2512, 0.2445, 0.3077

Trichromacy



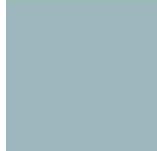
Original Color

46.2160, 0.2531, 0.3421



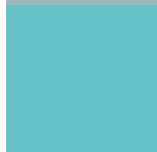
Protanomaly

45.2675, 0.2892, 0.3345



Deuteranomaly

44.8977, 0.2865, 0.3181



Tritanomaly

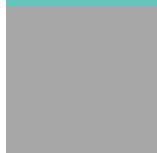
46.1308, 0.2475, 0.3202

Monochromacy



Original Color

46.2160, 0.2531, 0.3421



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.6867, 0.2852, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2160, 0.2531, 0.3421 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, 197, 188)` looks like.

```
.text, #text, p{  
    color:rgb(99, 197, 188)  
}
```

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, 197, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 197, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.2160, 0.2531, 0.3421 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, 197, 188) }
```

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

```
.border{ border-color:rgb(99, 197, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 197, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 197, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 197, 188);  
box-shadow:4px 4px 4px 4px rgb(99, 197,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2160, 0.2531, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 197, 188) }
```

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

```
.background{ background-color: rgb(99, 197,  
188) }
```

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