

Converting Colors

$Yxy(46.0822, 0.2805, 0.3353)$

Have a look what the booklet for
Yxy(46.0822, 0.2805, 0.3353)
contains.

Yxy(46.2590, 0.2808, 0.3359)	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(46.2590, 0.2808, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	90BEB9
RGB	144, 190, 185
RGB Percent	56%, 75%, 73%
CMY	0.4353, 0.2549, 0.2745
CMYK	0.24, 0.00, 0.03, 0.25
HSL	173°, 26%, 65%
HSV	173°, 24%, 75%
XYZ	38.6708, 46.2590, 52.7868
YIQ	175.6760, -25.8110, -11.3070

Conversions

Conversions Part 2

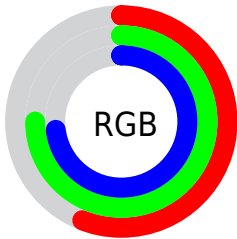
Format	Color
RYB	144, 168, 190
Decimal	9486009
CIELab	73.71, -16.20, -2.44
CIELCh	74, 16.380, 188.557
Yxy	46.2590, 0.2808, 0.3359
Android (android.graphics.Color)	4287676089 (0xFF90BEB9)
YUV	175.6760, 4.5967, -27.7799
Hunter-Lab	68.0140, -17.5344, 1.5938

Details

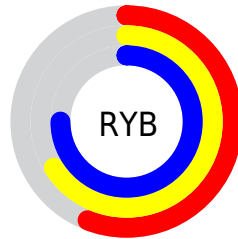
The Yxy color **46.2590, 0.2808, 0.3359** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.0633, 0.3571, 0.3223**, and the grayscale version is **43.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4045, 0.2867, 0.3343**, and **21.8326, 0.2718, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **44.6048, 0.2692, 0.3392**, and if you desaturate by 10%, it is **48.2061, 0.2934, 0.3329**.

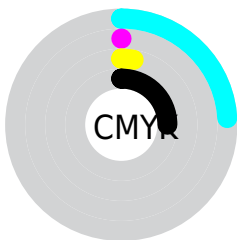
Distribution



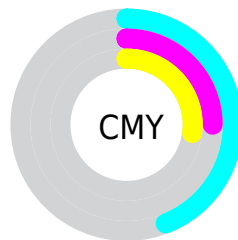
- Red (56%)
- Green (75%)
- Blue (73%)



- Red (56%)
- Yellow (66%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)





- Cyan (44%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2590, 0.2808, 0.3359 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 46.2590, 0.2808, 0.3359 by changing the saturation by 10% instead.


 46.2590, 0.2808,
0.3359


 46.2590, 0.2808,
0.3359


371.8489, 0.2967,
0.3326

 32.4503, 0.2769,
0.3367


 84.6065, 0.2866,
0.3347

 21.7056, 0.2718,
0.3377


 109.9140, 0.2887,
0.3343

 13.6408, 0.2651,
0.3390


139.8232, 0.2906,
0.3339

 7.8712, 0.2558,
0.3407


174.7186, 0.2921,
0.3336

 4.0127, 0.2420,
0.3431

214.9844, 0.2935,
0.3333

 1.6807, 0.2196,
0.3466

261.0052, 0.2947,

 0.4111, 0.0000,

0.3330

313.1652, 0.2957,
0.3328

0.3995

0.0000, 0.0000,
0.0000

46.2590, 0.2808,
0.3359

46.2590, 0.2808,
0.3359

44.6048, 0.2692,
0.3392

48.2061, 0.2934,
0.3329

43.2236, 0.2591,
0.3426

50.4540, 0.3069,
0.3301

42.1015, 0.2505,
0.3462

53.0170, 0.3208,
0.3276

41.2213, 0.2436,
0.3499

55.9071, 0.3351,
0.3253

40.5636, 0.2387,
0.3536

59.1354, 0.3493,
0.3233

■ 40.1063, 0.2357,
0.3574

■ 62.1393, 0.3610,
0.3215

■ 39.8222, 0.2344,
0.3611

■ 62.2350, 0.3593,
0.3193

■ 39.7059, 0.2342,
0.3632

■ 62.3321, 0.3575,
0.3172

■ 62.4305, 0.3558,
0.3151

Harmonies

Analogous

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



46.2590, 0.2998, 0.3559



46.2590, 0.2808, 0.3359



46.2590, 0.2703, 0.3147

Triad

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



46.2590, 0.2808, 0.3359



46.2590, 0.3014, 0.2932



46.2590, 0.3564, 0.3581

Complementary

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



46.2590, 0.2808, 0.3359



33.0633, 0.3571, 0.3223

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.



46.2590, 0.3571, 0.3407



46.2590, 0.2808, 0.3359



46.2590, 0.3247, 0.3042

Square

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



46.2590, 0.2808, 0.3359



46.2590, 0.2818, 0.2910



46.2590, 0.3453, 0.3212



46.2590, 0.3436, 0.3685

Rectangle

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



46.2590, 0.2808, 0.3359



46.2590, 0.2693, 0.3030



46.2590, 0.3453, 0.3212



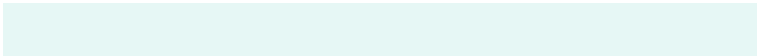
46.2590, 0.3581, 0.3528

Sweetspot

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



46.2609, 0.2808, 0.3359



90.1857, 0.3029, 0.3309



45.2667, 0.3139, 0.3957



19.7480, 0.3021, 0.3310



97.7402, 0.3127, 0.3290



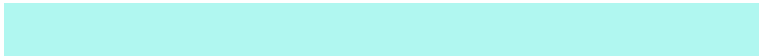
20.4902, 0.3127, 0.3290

Same Dimension

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



46.2609, 0.2808, 0.3359



82.1855, 0.2746, 0.3376



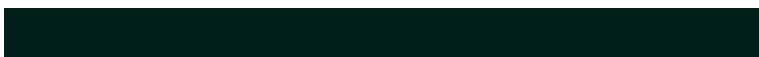
39.2925, 0.2754, 0.3038



10.7912, 0.2999, 0.3315



26.4076, 0.2341, 0.3627



1.0396, 0.2316, 0.3538

Inverse Universe

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



33.0633, 0.3571, 0.3223



54.1759, 0.3702, 0.3208



38.6730, 0.3570, 0.3529



9.5528, 0.3272, 0.3265



7.3204, 0.6253, 0.3218



0.2924, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 46.2590, 0.2808, 0.3359 looks on a white background.

Color Contrast Check

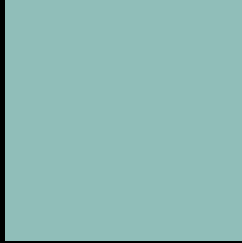
Large Text (above 18pt) WCAG AA × Fail

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 46.2590, 0.2808, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

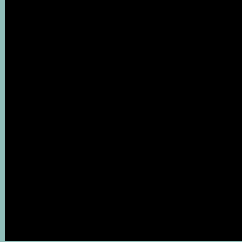
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

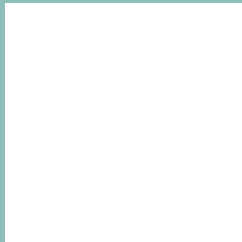
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2590, 0.2808, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 46.2590, 0.2808, 0.3359.

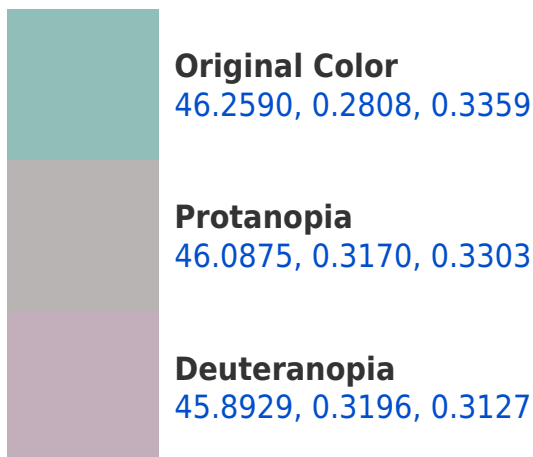


This preview shows how white text looks on a background with the Yxy color 46.2590, 0.2808, 0.3359.

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

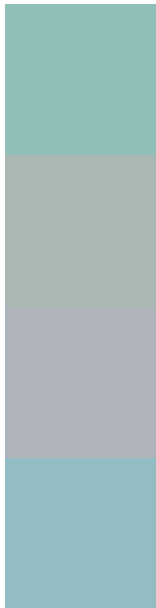




Tritanopia

46.1008, 0.2721, 0.3086

Trichromacy



Original Color

46.2590, 0.2808, 0.3359

Protanomaly

46.0522, 0.3026, 0.3330

Deuteranomaly

45.4605, 0.3038, 0.3198

Tritanomaly

46.1550, 0.2754, 0.3180

Monochromacy



Original Color

46.2590, 0.2808, 0.3359

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1949, 0.3000, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2590, 0.2808, 0.3359 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(144, 190, 185)` looks like.

```
.text, #text, p{  
    color:rgb(144, 190, 185)  
}
```

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(144, 190, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 190, 185) }
```

Border

The CSS property to change the border of an element to Yxy 46.2590, 0.2808, 0.3359 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(144, 190, 185) }
```

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

```
.border{ border-color:rgb(144, 190, 185) }
```

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

Here you see how a box with a 4 pixel rgb(144, 190, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 190, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 190, 185);  
box-shadow:4px 4px 4px 4px rgb(144, 190,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2590, 0.2808, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 190, 185) }
```

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

```
.background{ background-color: rgb(144,  
190, 185) }
```

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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