

Converting Colors

$Yxy(46.6223, 0.2947, 0.3433)$

Have a look what the booklet for
Yxy(46.6223, 0.2947, 0.3433)
contains.

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Color

Yxy(46.7776, 0.2952, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	9DBDB2
RGB	157, 189, 178
RGB Percent	62%, 74%, 70%
CMY	0.3845, 0.2588, 0.3019
CMYK	0.17, 0.00, 0.06, 0.26
HSL	159°, 20%, 68%
HSV	159°, 17%, 74%
XYZ	40.1300, 46.7776, 49.0342
YIQ	178.1780, -15.5410, -10.2050

Conversions

Conversions Part 2

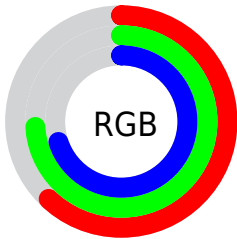
Format	Color
RYB	157, 176, 189
Decimal	10337714
CIELab	74.05, -13.03, 1.95
CIElCh	74, 13.180, 171.476
Yxy	46.7776, 0.2952, 0.3441
Android (android.graphics.Color)	4288527794 (0xFF9DBDB2)
YUV	178.1780, -0.0878, -18.5731
Hunter-Lab	68.3942, -14.9555, 5.3688

Details

The Yxy color $46.7776, 0.2952, 0.3441$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $37.7420, 0.3341, 0.3144$, and the grayscale version is $44.6225, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.2424, 0.2983, 0.3406$, and $22.0922, 0.2904, 0.3500$ is the 20% darker color. If you saturate the color by 10%, you get $44.7693, 0.2856, 0.3542$, and if you desaturate by 10%, it is $49.0962, 0.3054, 0.3349$.

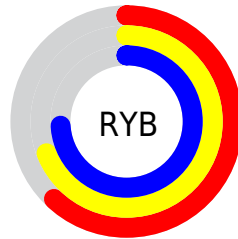
Distribution



Red (62%)

Green (74%)

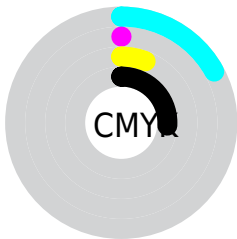
Blue (70%)



Red (62%)

Yellow (69%)

Blue (74%)

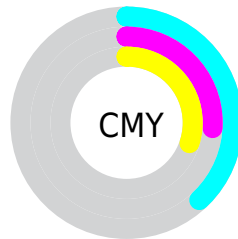


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (38%)


Magenta (26%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7776, 0.2952, 0.3441 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 46.7776, 0.2952, 0.3441 by changing the saturation by 10% instead.


 46.7776, 0.2952,
0.3441


 46.7776, 0.2952,
0.3441


373.9261, 0.3040,
0.3365

 32.8599, 0.2930,
0.3460


 85.3816, 0.2984,
0.3413

 22.0191, 0.2902,
0.3485


 110.8366, 0.2996,
0.3403

 13.8710, 0.2864,
0.3518


140.9061, 0.3006,
0.3394

 8.0310, 0.2811,
0.3565

175.9747, 0.3015,
0.3387

 4.1148, 0.2731,
0.3636

216.4265, 0.3022,
0.3380

 1.7380, 0.2598,
0.3757

262.6461, 0.3029,

 0.4481, 0.1187,

0.3374

0.4940

315.0178, 0.3035,
0.3369

0.0000, 0.0000,
0.0000

46.7776, 0.2952,
0.3441

46.7776, 0.2952,
0.3441

44.7693, 0.2856,
0.3542

49.0962, 0.3054,
0.3349

43.0518, 0.2768,
0.3652

51.7321, 0.3159,
0.3266

41.6124, 0.2691,
0.3770

54.6992, 0.3265,
0.3192

40.4351, 0.2629,
0.3895

58.0089, 0.3371,
0.3126

39.5021, 0.2584,
0.4024

61.6721, 0.3474,
0.3068

■ 38.7935, 0.2558,
0.4155

■ 62.6696, 0.3451,
0.3005

■ 38.2860, 0.2553,
0.4287

■ 63.0140, 0.3398,
0.2941

■ 37.9478, 0.2566,
0.4417

■ 63.3719, 0.3347,
0.2877

■ 37.8604, 0.2571,
0.4456

■ 63.7433, 0.3296,
0.2815

Harmonies

Analogous

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



46.7776, 0.3129, 0.3569



46.7776, 0.2952, 0.3441



46.7776, 0.2824, 0.3271

Triad

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



46.7776, 0.2952, 0.3441



46.7776, 0.2941, 0.2981



46.7776, 0.3492, 0.3451

Complementary

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



46.7776, 0.2952, 0.3441



37.7420, 0.3341, 0.3144

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.



46.7776, 0.3439, 0.3296



46.7776, 0.2952, 0.3441



46.7776, 0.3117, 0.3031

Square

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



46.7776, 0.2952, 0.3441



46.7776, 0.2817, 0.3009



46.7776, 0.3300, 0.3145



46.7776, 0.3444, 0.3569

Rectangle

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



46.7776, 0.2952, 0.3441



46.7776, 0.2782, 0.3162



46.7776, 0.3300, 0.3145



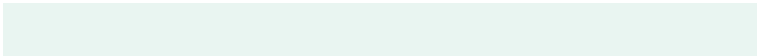
46.7776, 0.3486, 0.3401

Sweetspot

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



46.7796, 0.2952, 0.3441



88.7603, 0.3074, 0.3332



47.1785, 0.3199, 0.3730



19.0192, 0.3066, 0.3339



95.5105, 0.3127, 0.3290



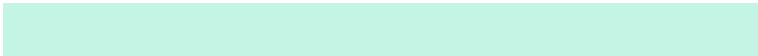
19.5994, 0.3127, 0.3290

Same Dimension

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



46.7796, 0.2952, 0.3441



82.4989, 0.2919, 0.3474



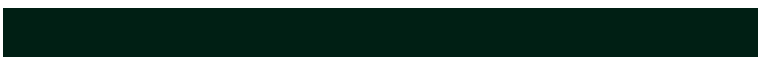
45.2042, 0.2871, 0.3224



10.7523, 0.3029, 0.3370



25.4834, 0.2567, 0.4439



1.0100, 0.2481, 0.4130

Inverse Universe

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



37.7420, 0.3341, 0.3144



63.5708, 0.3392, 0.3114



39.0082, 0.3436, 0.3355



9.5890, 0.3236, 0.3211



7.5484, 0.5573, 0.2844



0.3082, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 46.7776, 0.2952, 0.3441 looks on a white background.

Color Contrast Check

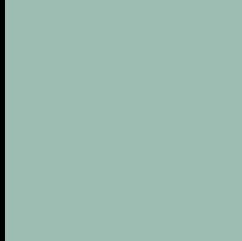
Large Text (above 18pt) WCAG AA × Fail

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 46.7776, 0.2952, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

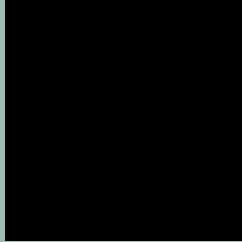
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

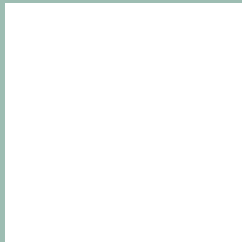
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7776, 0.2952, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 46.7776, 0.2952, 0.3441.



This preview shows how white text looks on a background with the Yxy color 46.7776, 0.2952, 0.3441.

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

46.7776, 0.2952, 0.3441

Protanopia

46.6297, 0.3244, 0.3394

Deuteranopia

46.5290, 0.3290, 0.3228



Tritanopia

46.8650, 0.2827, 0.3104

Trichromacy



Original Color

46.7776, 0.2952, 0.3441

Protanomaly

46.6062, 0.3130, 0.3410

Deuteranomaly

46.5334, 0.3161, 0.3303

Tritanomaly

46.8200, 0.2875, 0.3222

Monochromacy



Original Color

46.7776, 0.2952, 0.3441

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2163, 0.3057, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7776, 0.2952, 0.3441 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(157, 189, 178)` looks like.

```
.text, #text, p{  
    color:rgb(157, 189, 178)  
}
```

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(157, 189, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 189, 178) }
```

Border

The CSS property to change the border of an element to Yxy 46.7776, 0.2952, 0.3441 is called "border". The border property can be set on classes, ids or directly on the HTML element.

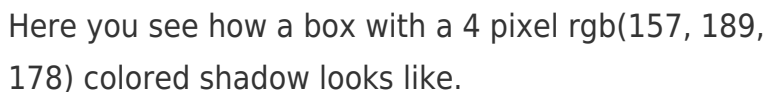
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 189, 178) }
```

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

```
.border{ border-color:rgb(157, 189, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 189, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 189, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 189, 178); box-shadow:4px 4px 4px 4px rgb(157, 189, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7776, 0.2952, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 189, 178) }
```

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

```
.background{ background-color: rgb(157,  
189, 178) }
```

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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