

Converting Colors

$Yxy(46.0312, 0.2911, 0.3447)$

Have a look what the booklet for
Yxy(46.0312, 0.2911, 0.3447)
contains.

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Color

Yxy(46.1488, 0.2914, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	97BDB1
RGB	151, 189, 177
RGB Percent	59%, 74%, 69%
CMY	0.4077, 0.2588, 0.3059
CMYK	0.20, 0.00, 0.06, 0.26
HSL	161°, 22%, 67%
HSV	161°, 20%, 74%
XYZ	38.9001, 46.1488, 48.4449
YIQ	176.2700, -18.7960, -11.7880

Conversions

Conversions Part 2

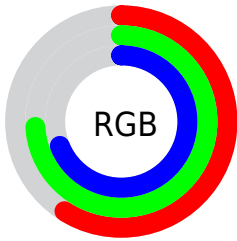
Format	Color
RYB	151, 174, 189
Decimal	9944497
CIELab	73.64, -15.16, 1.87
CIELCh	74, 15.275, 172.963
Yxy	46.1488, 0.2914, 0.3457
Android (android.graphics.Color)	4288134577 (0xFF97BDB1)
YUV	176.2700, 0.3599, -22.1618
Hunter-Lab	67.9329, -16.6690, 5.2716

Details

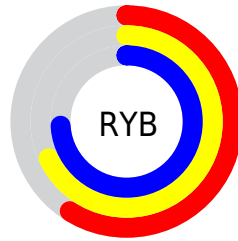
The Yxy color $46.1488, 0.2914, 0.3457$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $35.6107, 0.3399, 0.3129$, and the grayscale version is $43.5738, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.3098, 0.2952, 0.3418$, and $21.7162, 0.2853, 0.3523$ is the 20% darker color. If you saturate the color by 10%, you get $44.2512, 0.2817, 0.3553$, and if you desaturate by 10%, it is $48.3506, 0.3018, 0.3370$.

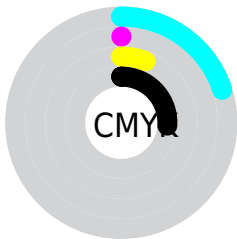
Distribution



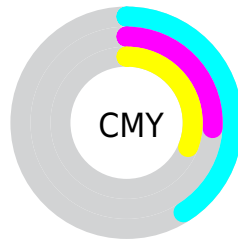
- Red (59%)
- Green (74%)
- Blue (69%)



- Red (59%)
- Yellow (68%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)



- Cyan (41%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1488, 0.2914, 0.3457 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 46.1488, 0.2914, 0.3457 by changing the saturation by 10% instead.

■ 46.1488, 0.2914,
0.3457

■ 46.1488, 0.2914,
0.3457

371.4066, 0.3021,
0.3373

■ 32.3633, 0.2887,
0.3478

■ 84.4416, 0.2953,
0.3426

■ 21.6391, 0.2852,
0.3506

■ 109.7177, 0.2968,
0.3415

■ 13.5920, 0.2806,
0.3543

139.5928, 0.2980,
0.3405

■ 7.8374, 0.2741,
0.3595

174.4512, 0.2991,
0.3397

■ 3.9911, 0.2643,
0.3675

214.6774, 0.3000,
0.3389

■ 1.6686, 0.2480,
0.3811

260.6558, 0.3008,

■ 0.4032, 0.0181,

0.3383

0.5565

312.7707, 0.3015,
0.3378

0.0000, 0.0000,
0.0000

46.1488, 0.2914,
0.3457

46.1488, 0.2914,
0.3457

44.2512, 0.2817,
0.3553

48.3506, 0.3018,
0.3370

42.6381, 0.2729,
0.3656

50.8639, 0.3126,
0.3291

41.2964, 0.2654,
0.3766

53.7027, 0.3236,
0.3220

40.2096, 0.2595,
0.3881

56.8786, 0.3346,
0.3157

39.3595, 0.2554,
0.4000

60.4027, 0.3455,
0.3101

■ 38.7253, 0.2532,
0.4120

■ 62.4510, 0.3484,
0.3046

■ 38.2825, 0.2530,
0.4240

■ 62.7601, 0.3435,
0.2986

■ 37.9840, 0.2544,
0.4358

■ 63.0805, 0.3387,
0.2927

■ 63.4123, 0.3340,
0.2869

Harmonies

Analogous

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



46.1488, 0.3118, 0.3611



46.1488, 0.2914, 0.3457



46.1488, 0.2770, 0.3257

Triad

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



46.1488, 0.2914, 0.3457



46.1488, 0.2919, 0.2933



46.1488, 0.3553, 0.3483

Complementary

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



46.1488, 0.2914, 0.3457



35.6107, 0.3399, 0.3129

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.



46.1488, 0.3497, 0.3305



46.1488, 0.2914, 0.3457



46.1488, 0.3125, 0.2995

Square

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



46.1488, 0.2914, 0.3457



46.1488, 0.2773, 0.2960



46.1488, 0.3338, 0.3129



46.1488, 0.3490, 0.3619

Rectangle

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



46.1488, 0.2914, 0.3457



46.1488, 0.2725, 0.3131



46.1488, 0.3338, 0.3129



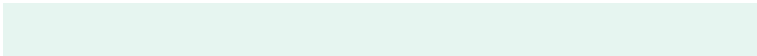
46.1488, 0.3547, 0.3426

Sweetspot

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



46.1507, 0.2914, 0.3457



88.3257, 0.3061, 0.3337



46.4223, 0.3201, 0.3820



18.9322, 0.3054, 0.3342



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.



46.1507, 0.2914, 0.3457



81.1315, 0.2871, 0.3497



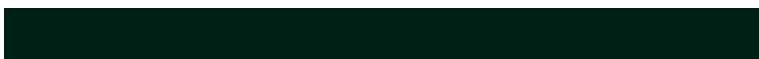
43.7286, 0.2825, 0.3193



10.7568, 0.3026, 0.3364



25.5722, 0.2540, 0.4343



1.0130, 0.2461, 0.4059

Inverse Universe

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



35.6107, 0.3399, 0.3129



58.9048, 0.3472, 0.3093



37.5074, 0.3502, 0.3385



9.5848, 0.3240, 0.3218



7.5097, 0.5674, 0.2899



0.3064, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 46.1488, 0.2914, 0.3457 looks on a white background.

Color Contrast Check

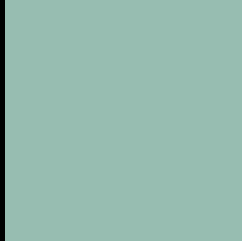
Large Text (above 18pt) WCAG AA × Fail

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 46.1488, 0.2914, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

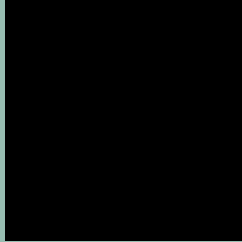
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

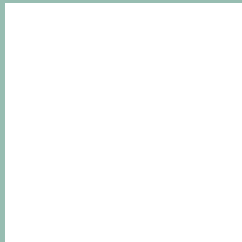
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1488, 0.2914, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 46.1488, 0.2914, 0.3457.



This preview shows how white text looks on a background with the Yxy color 46.1488, 0.2914, 0.3457.

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

46.1488, 0.2914, 0.3457

Protanopia

46.0602, 0.3244, 0.3395

Deuteranopia

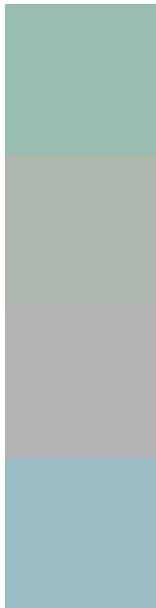
45.9610, 0.3291, 0.3228



Tritanopia

46.2565, 0.2783, 0.3101

Trichromacy



Original Color

46.1488, 0.2914, 0.3457

Protanomaly

45.8072, 0.3113, 0.3411

Deuteranomaly

45.7209, 0.3144, 0.3303

Tritanomaly

46.2164, 0.2831, 0.3221

Monochromacy



Original Color

46.1488, 0.2914, 0.3457

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3978, 0.3048, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1488, 0.2914, 0.3457 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(151, 189, 177)` looks like.

```
.text, #text, p{  
    color:rgb(151, 189, 177)  
}
```

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(151, 189, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 189, 177) }
```

Border

The CSS property to change the border of an element to Yxy 46.1488, 0.2914, 0.3457 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(151, 189, 177) }
```

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

```
.border{ border-color:rgb(151, 189, 177) }
```

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

Here you see how a box with a 4 pixel rgb(151, 189, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 189, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 189, 177);  
box-shadow:4px 4px 4px 4px rgb(151, 189,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1488, 0.2914, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 189, 177) }
```

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

```
.background{ background-color: rgb(151,  
189, 177) }
```

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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