

Converting Colors

$Y_{xy}(46.4795, 0.3154, 0.3750)$

Have a look what the booklet for
Yxy(46.4795, 0.3154, 0.3750)
contains.

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Color

Yxy(46.4769, 0.3155, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	A2BD9C
RGB	162, 189, 156
RGB Percent	64%, 74%, 61%
CMY	0.3646, 0.2588, 0.3883
CMYK	0.14, 0.00, 0.17, 0.26
HSL	109°, 20%, 68%
HSV	109°, 17%, 74%
XYZ	39.1026, 46.4769, 38.3589
YIQ	177.1650, -5.4990, -15.9870

Conversions

Conversions Part 2

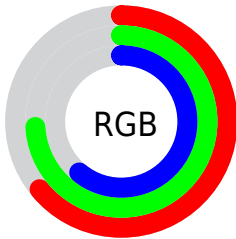
Format	Color
RYB	156, 189, 183
Decimal	10665372
CIELab	73.85, -15.43, 13.67
CIELCh	74, 20.613, 138.468
Yxy	46.4769, 0.3155, 0.3750
Android (android.graphics.Color)	4288855452 (0xFFA2BD9C)
YUV	177.1650, -10.4343, -13.2997
Hunter-Lab	68.1740, -16.9221, 14.3615

Details

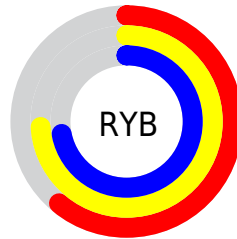
The Yxy color **46.4769, 0.3155, 0.3750** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.5113, 0.3090, 0.2856**, and the grayscale version is **44.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.3149, 0.3655**, and **21.9432, 0.3154, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **44.3681, 0.3167, 0.4052**, and if you desaturate by 10%, it is **48.8880, 0.3140, 0.3476**.

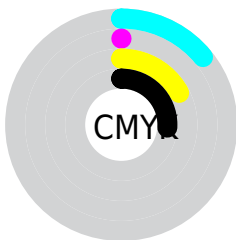
Distribution



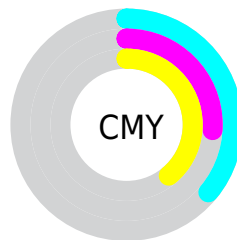
- Red (64%)
- Green (74%)
- Blue (61%)



- Red (61%)
- Yellow (74%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)
- Black (26%)




- Cyan (36%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4769, 0.3155, 0.3750 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 46.4769, 0.3155, 0.3750 by changing the saturation by 10% instead.

 46.4769, 0.3155,
0.3750


 46.4769, 0.3155,
0.3750

372.7226, 0.3144,
0.3514

 32.6223, 0.3157,
0.3811


 84.9323, 0.3152,
0.3663

 21.8373, 0.3158,
0.3891


 110.3018, 0.3150,
0.3630

 13.7374, 0.3159,
0.3999


140.2785, 0.3149,
0.3603

 7.9382, 0.3157,
0.4153

175.2468, 0.3148,
0.3580

 4.0555, 0.3148,
0.4393

215.5909, 0.3147,
0.3560

 1.7046, 0.3135,
0.4838

261.6953, 0.3146,

 0.4267, 0.0633,

0.3543

0.9367

313.9444, 0.3145,
0.3527

0.0000, 0.0000,
0.0000

46.4769, 0.3155,
0.3750

46.4769, 0.3155,
0.3750

44.3681, 0.3167,
0.4052

48.8880, 0.3140,
0.3476

42.5437, 0.3175,
0.4377

51.6064, 0.3123,
0.3231

40.9934, 0.3177,
0.4714


54.6447, 0.3105,
0.3015


39.7034, 0.3171,
0.5047


58.0129, 0.3087,
0.2826

38.6592, 0.3156,
0.5355


61.7205, 0.3070,
0.2661

 37.8446, 0.3132,
0.5616

 64.8149, 0.3155,
0.2643

 37.2413, 0.3101,
0.5809

 64.8742, 0.3157,
0.2644

 36.8262, 0.3066,
0.5929

 36.7441, 0.3058,
0.5954

Harmonies

Analogous

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



46.4769, 0.3435, 0.3803



46.4769, 0.3155, 0.3750



46.4769, 0.2877, 0.3554

Triad

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



46.4769, 0.3155, 0.3750



46.4769, 0.2635, 0.2863



46.4769, 0.3602, 0.3269

Complementary

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



46.4769, 0.3155, 0.3750



37.5113, 0.3090, 0.2856

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.



46.4769, 0.3370, 0.3044



46.4769, 0.3155, 0.3750



46.4769, 0.2811, 0.2813

Square

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



46.4769, 0.3155, 0.3750



46.4769, 0.2585, 0.3029



46.4769, 0.3078, 0.2880



46.4769, 0.3701, 0.3509

Rectangle

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



46.4769, 0.3155, 0.3750



46.4769, 0.2728, 0.3376



46.4769, 0.3078, 0.2880



46.4769, 0.3537, 0.3190

Sweetspot

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



46.4789, 0.3155, 0.3750



88.6699, 0.3136, 0.3414



47.0637, 0.3399, 0.3643



18.9970, 0.3137, 0.3432



95.5105, 0.3127, 0.3290



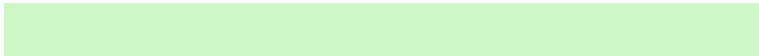
19.5994, 0.3127, 0.3290

Same Dimension

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



46.4789, 0.3155, 0.3750



81.7194, 0.3160, 0.3864



46.2310, 0.3028, 0.3605



10.7313, 0.3143, 0.3525



24.7479, 0.3064, 0.5949



0.9953, 0.3218, 0.5827

Inverse Universe

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



37.5113, 0.3090, 0.2856



62.6236, 0.3080, 0.2756



37.8296, 0.3242, 0.2994



9.6057, 0.3109, 0.3062



7.1534, 0.2755, 0.1292



0.3035, 0.2871, 0.1355

Previews

White Background



This preview shows how the Yxy color 46.4769, 0.3155, 0.3750 looks on a white background.

Color Contrast Check

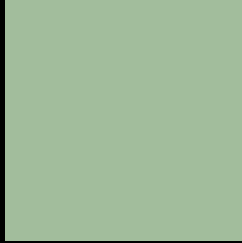
Large Text (above 18pt) WCAG AA × Fail

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 46.4769, 0.3155, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

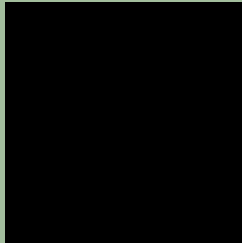
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4769, 0.3155, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 46.4769, 0.3155, 0.3750.



This preview shows how white text looks on a background with the Yxy color 46.4769, 0.3155, 0.3750.

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

46.4769, 0.3155, 0.3750

Protanopia

46.3911, 0.3455, 0.3669

Deuteranopia

46.0407, 0.3560, 0.3478



Tritanopia

46.3792, 0.2900, 0.3093

Trichromacy



Original Color

46.4769, 0.3155, 0.3750

Protanomaly

46.2842, 0.3341, 0.3707

Deuteranomaly

45.7852, 0.3408, 0.3565

Tritanomaly

46.2238, 0.2986, 0.3317

Monochromacy



Original Color

46.4769, 0.3155, 0.3750

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6830, 0.3145, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4769, 0.3155, 0.3750 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(162, 189, 156)` looks like.

```
.text, #text, p{  
    color:rgb(162, 189, 156)  
}
```

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(162, 189, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 189, 156) }
```

Border

The CSS property to change the border of an element to Yxy 46.4769, 0.3155, 0.3750 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(162, 189, 156) }
```

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

```
.border{ border-color:rgb(162, 189, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 189, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 189, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 189, 156);  
box-shadow:4px 4px 4px 4px rgb(162, 189,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4769, 0.3155, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 189, 156) }
```

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

```
.background{ background-color: rgb(162,  
189, 156) }
```

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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