

Converting Colors

$Yxy(46.0087, 0.3252, 0.3712)$

Have a look what the booklet for
Yxy(46.0087, 0.3252, 0.3712)
contains.

Yxy(46.2550, 0.3251, 0.3714)	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(46.2550, 0.3251, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	ACBA9B
RGB	172, 186, 155
RGB Percent	67%, 73%, 61%
CMY	0.3255, 0.2706, 0.3922
CMYK	0.08, 0.00, 0.17, 0.27
HSL	87°, 18%, 67%
HSV	87°, 17%, 73%
XYZ	40.4887, 46.2550, 37.7986
YIQ	178.2800, 1.6070, -12.6090

Conversions

Conversions Part 2

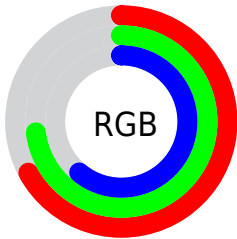
Format	Color
RYB	155, 186, 169
Decimal	11319963
CIELab	73.71, -10.47, 14.11
CIELCh	74, 17.571, 126.573
Yxy	46.2550, 0.3251, 0.3714
Android (android.graphics.Color)	4289510043 (0xFFACBA9B)
YUV	178.2800, -11.4770, -5.5076
Hunter-Lab	68.0110, -12.7537, 14.6560

Details

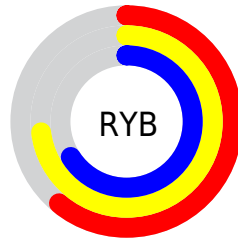
The Yxy color $46.2550, 0.3251, 0.3714$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $35.4174, 0.2986, 0.2863$, and the grayscale version is $44.7391, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.6017, 0.3236, 0.3638$, and $21.7676, 0.3285, 0.3838$ is the 20% darker color. If you saturate the color by 10%, you get $44.7594, 0.3323, 0.3992$, and if you desaturate by 10%, it is $47.9109, 0.3177, 0.3453$.

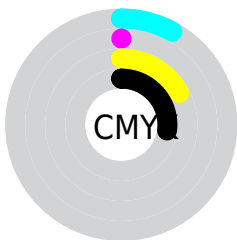
Distribution



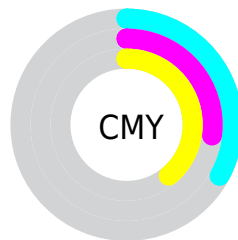
- Red (67%)
- Green (73%)
- Blue (61%)



- Red (61%)
- Yellow (73%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2550, 0.3251, 0.3714 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 46.2550, 0.3251, 0.3714 by changing the saturation by 10% instead.


 46.2550, 0.3251,
0.3714


 46.2550, 0.3251,
0.3714


371.8329, 0.3191,
0.3498

 32.4471, 0.3265,
0.3769


 84.6005, 0.3230,
0.3634

 21.7032, 0.3283,
0.3842


 109.9069, 0.3222,
0.3605

 13.6390, 0.3305,
0.3939


139.8149, 0.3215,
0.3580

 7.8700, 0.3335,
0.4077

174.7089, 0.3209,
0.3558

 4.0119, 0.3374,
0.4289

214.9733, 0.3204,
0.3540

 1.6802, 0.3451,
0.4690

260.9925, 0.3199,

 0.4108, 0.2472,

0.3524

0.7528

313.1509, 0.3195,
0.3510

0.0000, 0.0000,
0.0000

46.2550, 0.3251,
0.3714

46.2550, 0.3251,
0.3714

44.7594, 0.3323,
0.3992

47.9109, 0.3177,
0.3453

43.4126, 0.3389,
0.4280

49.7261, 0.3103,
0.3212

42.2107, 0.3446,
0.4571

51.7078, 0.3031,
0.2993

41.1475, 0.3488,
0.4851

53.8605, 0.2962,
0.2794

40.2159, 0.3511,
0.5109

56.1887, 0.2897,
0.2616

■ 39.4083, 0.3513,
0.5329

■ 57.9275, 0.2912,
0.2562

■ 38.7160, 0.3492,
0.5501

■ 59.2891, 0.2975,
0.2575

■ 38.1275, 0.3450,
0.5621

■ 60.7176, 0.3038,
0.2589

■ 37.9480, 0.3434,
0.5655

■ 62.2140, 0.3102,
0.2602

Harmonies

Analogous

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



46.2550, 0.3471, 0.3709



46.2550, 0.3251, 0.3714



46.2550, 0.3004, 0.3592

Triad

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



46.2550, 0.3251, 0.3714



46.2550, 0.2673, 0.2971



46.2550, 0.3465, 0.3193

Complementary

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



46.2550, 0.3251, 0.3714



35.4174, 0.2986, 0.2863

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.



46.2550, 0.3239, 0.3014



46.2550, 0.3251, 0.3714



46.2550, 0.2785, 0.2885

Square

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



46.2550, 0.3251, 0.3714



46.2550, 0.2677, 0.3149



46.2550, 0.2990, 0.2903



46.2550, 0.3599, 0.3401

Rectangle

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



46.2550, 0.3251, 0.3714



46.2550, 0.2858, 0.3456



46.2550, 0.2990, 0.2903



46.2550, 0.3396, 0.3128

Sweetspot

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



46.2570, 0.3251, 0.3714



87.3414, 0.3165, 0.3413



41.1613, 0.3409, 0.3479



19.1846, 0.3170, 0.3431



95.5105, 0.3127, 0.3290



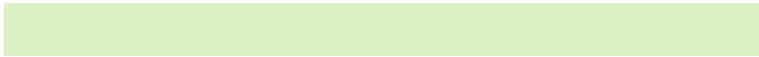
19.5994, 0.3127, 0.3290

Same Dimension

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



46.2570, 0.3251, 0.3714



82.8152, 0.3278, 0.3814



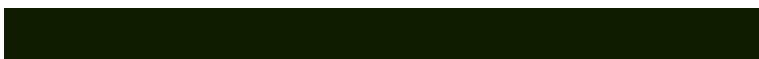
44.6073, 0.3119, 0.3731



10.2964, 0.3196, 0.3521



25.5741, 0.3443, 0.5648



0.9378, 0.3634, 0.5497

Inverse Universe

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



35.4174, 0.2986, 0.2863



59.4683, 0.2950, 0.2762



37.2305, 0.3131, 0.2882



8.9126, 0.3053, 0.3059



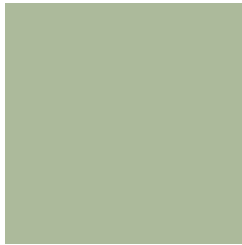
3.6945, 0.1945, 0.0845



0.1671, 0.2246, 0.1011

Previews

White Background



This preview shows how the Yxy color 46.2550, 0.3251, 0.3714 looks on a white background.

Color Contrast Check

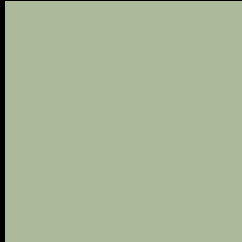
Large Text (above 18pt) WCAG AA × Fail

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 46.2550, 0.3251, 0.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

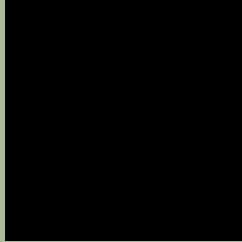
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

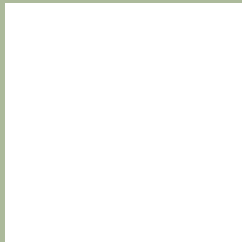
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2550, 0.3251, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 46.2550, 0.3251, 0.3714.



This preview shows how white text looks on a background with the Yxy color 46.2550, 0.3251, 0.3714.

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

46.2550, 0.3251, 0.3714

Protanopia

45.9859, 0.3457, 0.3657

Deuteranopia

45.9718, 0.3578, 0.3503



Tritanopia

46.0476, 0.2994, 0.3096

Trichromacy



Original Color

46.2550, 0.3251, 0.3714

Protanomaly

45.9462, 0.3380, 0.3677

Deuteranomaly

45.7104, 0.3455, 0.3576

Tritanomaly

45.9813, 0.3092, 0.3316

Monochromacy



Original Color

46.2550, 0.3251, 0.3714

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1801, 0.3172, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2550, 0.3251, 0.3714 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(172, 186, 155)` looks like.

```
.text, #text, p{  
    color:rgb(172, 186, 155)  
}
```

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(172, 186, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 186, 155) }
```

Border

The CSS property to change the border of an element to Yxy 46.2550, 0.3251, 0.3714 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(172, 186, 155) }
```

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

```
.border{ border-color:rgb(172, 186, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 186, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 186, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 186, 155);  
box-shadow:4px 4px 4px 4px rgb(172, 186,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2550, 0.3251, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 186, 155) }
```

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

```
.background{ background-color: rgb(172,  
186, 155) }
```

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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