

Converting Colors

$Y_{xy}(49.8413, 0.3212, 0.3605)$

Have a look what the booklet for
Yxy(49.8413, 0.3212, 0.3605)
contains.

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Color

Yxy(49.6353, 0.3211, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	B3BFA7
RGB	179, 191, 167
RGB Percent	70%, 75%, 65%
CMY	0.2980, 0.2510, 0.3451
CMYK	0.06, 0.00, 0.13, 0.25
HSL	90°, 16%, 70%
HSV	90°, 13%, 75%
XYZ	44.1983, 49.6353, 43.8129
YIQ	184.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

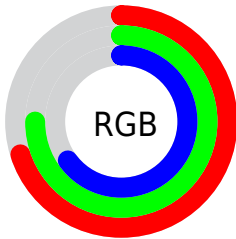
Format	Color
RYB	167, 191, 179
Decimal	11780007
CIELab	75.84, -8.51, 10.70
CIELCh	76, 13.673, 128.508
Yxy	49.6353, 0.3211, 0.3606
Android (android.graphics.Color)	4289970087 (0xFFB3BFA7)
YUV	184.6760, -8.7143, -4.9779
Hunter-Lab	70.4523, -11.3096, 12.4454

Details

The Yxy color $49.6353, 0.3211, 0.3606$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.9850, 0.3034, 0.2974$, and the grayscale version is $48.3775, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.4576, 0.3199, 0.3546$, and $23.8504, 0.3230, 0.3705$ is the 20% darker color. If you saturate the color by 10%, you get $47.8840, 0.3276, 0.3880$, and if you desaturate by 10%, it is $51.5740, 0.3144, 0.3352$.

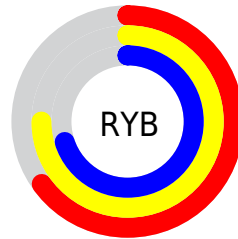
Distribution



Red (70%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (70%)

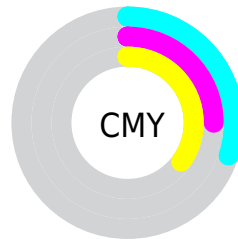


Cyan (6%)

Magenta (0%)

Yellow (13%)

Black (25%)



Cyan (30%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6353, 0.3211, 0.3606 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 49.6353, 0.3211, 0.3606 by changing the saturation by 10% instead.


 49.6353, 0.3211,
0.3606


 49.6353, 0.3211,
0.3606


385.2380, 0.3171,
0.3447

 35.1237, 0.3220,
0.3646


 89.6343, 0.3197,
0.3548

 23.7582, 0.3232,
0.3697


 115.8905, 0.3191,
0.3526

 15.1543, 0.3248,
0.3766


146.8303, 0.3187,
0.3508

 8.9278, 0.3268,
0.3863

182.8382, 0.3183,
0.3492

 4.6941, 0.3295,
0.4008

224.2985, 0.3179,
0.3479

 2.0689, 0.3334,
0.4251

271.5956, 0.3176,

 0.6471, 0.3862,

0.3467

0.6138

325.1140, 0.3173,
0.3456

0.0000, 0.0000,
0.0000

49.6353, 0.3211,
0.3606

49.6353, 0.3211,
0.3606

47.8840, 0.3276,
0.3880

51.5740, 0.3144,
0.3352

46.3074, 0.3337,
0.4170

53.6994, 0.3078,
0.3119

44.9013, 0.3390,
0.4467


56.0193, 0.3014,
0.2909


43.6586, 0.3431,
0.4761


58.5389, 0.2953,
0.2721


42.5718, 0.3455,
0.5039


60.7702, 0.2946,
0.2622

 41.6325, 0.3459,
0.5285

 62.3632, 0.3016,
0.2636

 40.8313, 0.3441,
0.5485

 64.0436, 0.3087,
0.2650

 40.1574, 0.3402,
0.5631

 65.7422, 0.3157,
0.2663

 39.7247, 0.3365,
0.5710

Harmonies

Analogous

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



49.6353, 0.3380, 0.3611



49.6353, 0.3211, 0.3606



49.6353, 0.3023, 0.3508

Triad

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



49.6353, 0.3211, 0.3606



49.6353, 0.2783, 0.3042



49.6353, 0.3392, 0.3227

Complementary

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



49.6353, 0.3211, 0.3606



40.9850, 0.3034, 0.2974

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.



49.6353, 0.3225, 0.3086



49.6353, 0.3211, 0.3606



49.6353, 0.2875, 0.2979

Square

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



49.6353, 0.3211, 0.3606



49.6353, 0.2780, 0.3175



49.6353, 0.3035, 0.2996



49.6353, 0.3488, 0.3387

Rectangle

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



49.6353, 0.3211, 0.3606



49.6353, 0.2913, 0.3405



49.6353, 0.3035, 0.2996



49.6353, 0.3342, 0.3176

Sweetspot

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



49.6374, 0.3211, 0.3606



91.8260, 0.3154, 0.3388



45.9486, 0.3333, 0.3441



20.1044, 0.3159, 0.3407



97.7402, 0.3127, 0.3290



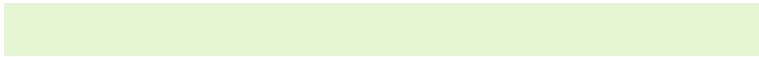
20.4902, 0.3127, 0.3290

Same Dimension

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



49.6374, 0.3211, 0.3606



88.0278, 0.3229, 0.3678



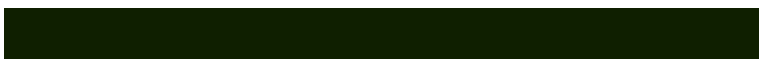
48.3124, 0.3115, 0.3615



10.8777, 0.3190, 0.3522



26.1540, 0.3374, 0.5703



1.0634, 0.3561, 0.5555

Inverse Universe

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



40.9850, 0.3034, 0.2974



69.5758, 0.3012, 0.2903



42.4263, 0.3138, 0.2984



9.4532, 0.3060, 0.3058



4.1347, 0.2034, 0.0894



0.2009, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 49.6353, 0.3211, 0.3606 looks on a white background.

Color Contrast Check

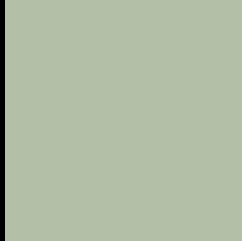
Large Text (above 18pt) WCAG AA × Fail

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 49.6353, 0.3211, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

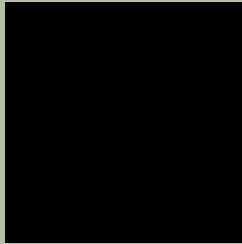
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6353, 0.3211, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 49.6353, 0.3211, 0.3606.



This preview shows how white text looks on a background with the Yxy color 49.6353, 0.3211, 0.3606.

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

49.6353, 0.3211, 0.3606

Protanopia

49.4365, 0.3372, 0.3558

Deuteranopia

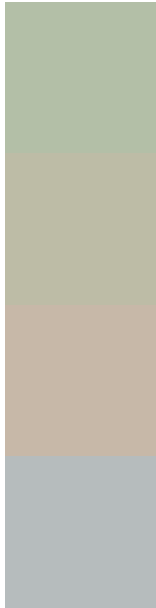
49.3560, 0.3494, 0.3425



Tritanopia

49.5252, 0.2998, 0.3101

Trichromacy



Original Color

49.6353, 0.3211, 0.3606

Protanomaly

49.5384, 0.3308, 0.3574

Deuteranomaly

49.2502, 0.3386, 0.3492

Tritanomaly

49.5856, 0.3070, 0.3277

Monochromacy



Original Color

49.6353, 0.3211, 0.3606

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.8223, 0.3163, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6353, 0.3211, 0.3606 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(179, 191, 167)` looks like.

```
.text, #text, p{  
    color:rgb(179, 191, 167)  
}
```

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(179, 191, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 191, 167) }
```

Border

The CSS property to change the border of an element to Yxy 49.6353, 0.3211, 0.3606 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(179, 191, 167) }
```

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

```
.border{ border-color:rgb(179, 191, 167) }
```

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

Here you see how a box with a 4 pixel rgb(179, 191, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 191, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 191, 167);  
box-shadow:4px 4px 4px 4px rgb(179, 191,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6353, 0.3211, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 191, 167) }
```

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

```
.background{ background-color: rgb(179,  
191, 167) }
```

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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