

Converting Colors

Yxy(46.9428, 0.3101, 0.3144)

Have a look what the booklet for
Yxy(46.9428, 0.3101, 0.3144)
contains.

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Color

Yxy(46.9689, 0.3100, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	BBB4BF
RGB	187, 180, 191
RGB Percent	73%, 71%, 75%
CMY	0.2665, 0.2941, 0.2510
CMYK	0.02, 0.06, 0.00, 0.25
HSL	278°, 8%, 73%
HSV	278°, 6%, 75%
XYZ	46.2234, 46.9689, 55.9154
YIQ	183.3470, 0.6410, 4.9050

Conversions

Conversions Part 2

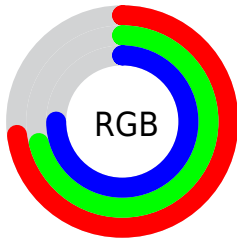
Format	Color
RYB	187, 180, 191
Decimal	12301503
CIELab	74.17, 4.53, -4.69
CIELCh	74, 6.527, 314.007
Yxy	46.9689, 0.3100, 0.3150
Android (android.graphics.Color)	4290491583 (0xFFBBB4BF)
YUV	183.3470, 3.7729, 3.2037
Hunter-Lab	68.5339, 0.4569, -0.3998

Details

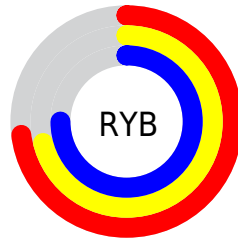
The Yxy color **46.9689, 0.3100, 0.3150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.7391, 0.3153, 0.3431**, and the grayscale version is **47.5357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7610, 0.3106, 0.3181**, and **22.0821, 0.3089, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **38.9361, 0.3046, 0.2893**, and if you desaturate by 10%, it is **56.1099, 0.3145, 0.3389**.

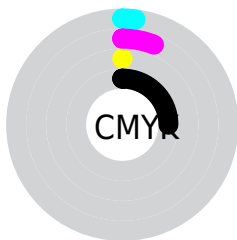
Distribution



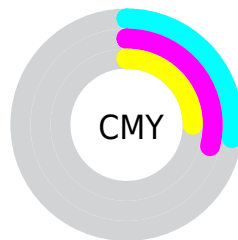
- Red (73%)
- Green (71%)
- Blue (75%)



- Red (73%)
- Yellow (71%)
- Blue (75%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (25%)





- Cyan (27%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9689, 0.3100, 0.3150 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 46.9689, 0.3100, 0.3150 by changing the saturation by 10% instead.


 46.9689, 0.3100,
0.3150

 46.9689, 0.3100,
0.3150


374.6904, 0.3114,
0.3219

 33.0111, 0.3096,
0.3133


 85.6672, 0.3105,
0.3175

 22.1349, 0.3092,
0.3111


111.1765, 0.3107,
0.3185

 13.9561, 0.3086,
0.3082


141.3050, 0.3109,
0.3193

 8.0901, 0.3077,
0.3042


176.4372, 0.3110,
0.3199

 4.1527, 0.3064,
0.2983

216.9574, 0.3111,
0.3205

 1.7593, 0.3041,
0.2886

263.2501, 0.3112,

 0.4616, 0.2983,

0.3211

0.2506

315.6996, 0.3113,
0.3215

0.0000, 0.0000,
0.0000

46.9689, 0.3100,
0.3150

46.9689, 0.3100,
0.3150

38.9361, 0.3046,
0.2893

56.1099, 0.3145,
0.3389

31.9617, 0.2982,
0.2623

66.3944, 0.3183,
0.3609

26.0009, 0.2910,
0.2345

77.8634, 0.3214,
0.3809

21.0036, 0.2827,
0.2068

89.6619, 0.3240,
0.3977

16.9150, 0.2738,
0.1803

90.7230, 0.3285,
0.3967

13.6748, 0.2643,
0.1563

91.8285, 0.3330,
0.3958

11.2153, 0.2545,
0.1358

92.9788, 0.3375,
0.3948

9.4577, 0.2449,
0.1199

94.1744, 0.3421,
0.3938

8.3039, 0.2357,
0.1090

95.4159, 0.3467,
0.3928

Harmonies

Analogous

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



46.9689, 0.3016, 0.3135



46.9689, 0.3100, 0.3150



46.9689, 0.3192, 0.3201

Triad

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



46.9689, 0.3100, 0.3150



46.9689, 0.3294, 0.3418



46.9689, 0.2989, 0.3303

Complementary

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



46.9689, 0.3100, 0.3150



50.7391, 0.3153, 0.3431

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.



46.9689, 0.3061, 0.3382



46.9689, 0.3100, 0.3150



46.9689, 0.3238, 0.3448

Square

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



46.9689, 0.3100, 0.3150



46.9689, 0.3305, 0.3354



46.9689, 0.3152, 0.3436



46.9689, 0.2953, 0.3222

Rectangle

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



46.9689, 0.3100, 0.3150



46.9689, 0.3245, 0.3249



46.9689, 0.3152, 0.3436



46.9689, 0.3010, 0.3331

Sweetspot

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



46.9709, 0.3100, 0.3150



89.9961, 0.3118, 0.3241



47.7569, 0.3040, 0.3200



19.7982, 0.3118, 0.3244



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.



46.9709, 0.3100, 0.3150



82.0707, 0.3093, 0.3116



47.4135, 0.3145, 0.3170



9.8551, 0.3091, 0.3107



5.2462, 0.2331, 0.1058



0.2411, 0.2545, 0.1176

Inverse Universe

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



47.1754, 0.3190, 0.3240



82.5234, 0.3206, 0.3228



50.3168, 0.3109, 0.3413



9.9127, 0.3210, 0.3224



7.5744, 0.5507, 0.2808



0.3094, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 46.9689, 0.3100, 0.3150 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 46.9689, 0.3100, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

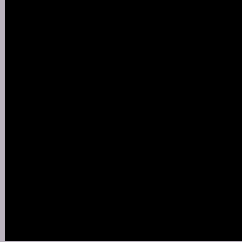
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

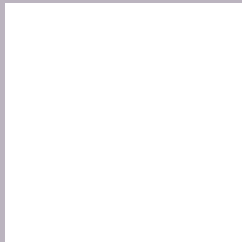
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9689, 0.3100, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 46.9689, 0.3100, 0.3150.



This preview shows how white text looks on a background with the Yxy color 46.9689, 0.3100, 0.3150.

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

46.9689, 0.3100, 0.3150

Protanopia

46.9208, 0.3058, 0.3149

Deuteranopia

46.9858, 0.3171, 0.3104



Tritanopia

47.1024, 0.3076, 0.3113

Trichromacy



Original Color

46.9689, 0.3100, 0.3150

Protanomaly

47.0439, 0.3066, 0.3149

Deuteranomaly

46.9840, 0.3144, 0.3115

Tritanomaly

47.0576, 0.3084, 0.3125

Monochromacy



Original Color

46.9689, 0.3100, 0.3150

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1914, 0.3113, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9689, 0.3100, 0.3150 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(187, 180, 191)` looks like.

```
.text, #text, p{  
    color:rgb(187, 180, 191)  
}
```

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(187, 180, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 180, 191) }
```

Border

The CSS property to change the border of an element to Yxy 46.9689, 0.3100, 0.3150 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(187, 180, 191) }
```

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

```
.border{ border-color:rgb(187, 180, 191) }
```

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

Here you see how a box with a 4 pixel rgb(187, 180, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 180, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 180, 191);  
box-shadow:4px 4px 4px 4px rgb(187, 180,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9689, 0.3100, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 180, 191) }
```

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

```
.background{ background-color: rgb(187,  
180, 191) }
```

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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