

Converting Colors

$Y_{xy}(46.7258, 0.2990, 0.3224)$

Have a look what the booklet for
Yxy(46.7258, 0.2990, 0.3224)
contains.

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Color

Yxy(46.7258, 0.2990, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	ACB8BD
RGB	172, 184, 189
RGB Percent	67%, 72%, 74%
CMY	0.3256, 0.2784, 0.2589
CMYK	0.09, 0.03, 0.00, 0.26
HSL	198°, 11%, 71%
HSV	198°, 9%, 74%
XYZ	43.3344, 46.7258, 54.8709
YIQ	180.9820, -8.7570, -0.9890

Conversions

Conversions Part 2

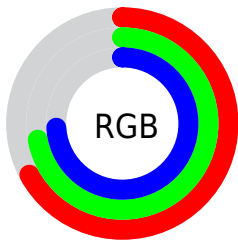
Format	Color
R _{YB}	172, 179, 189
Decimal	11319485
CIE Lab	74.01, -3.16, -3.96
CIE LCh	74, 5.067, 231.390
Yxy	46.7258, 0.2990, 0.3224
Android (android.graphics.Color)	4289509565 (0xFFACB8BD)
YUV	180.9820, 3.9529, -7.8772
Hunter-Lab	68.3563, -6.4635, 0.2561

Details

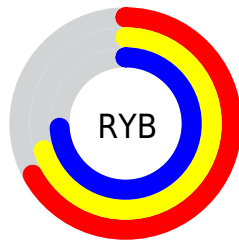
The Yxy color **46.7258, 0.2990, 0.3224** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2219, 0.3275, 0.3355**, and the grayscale version is **46.1790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2436, 0.3013, 0.3238**, and **22.0032, 0.2952, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **42.4869, 0.2838, 0.3144**, and if you desaturate by 10%, it is **51.3625, 0.3142, 0.3297**.

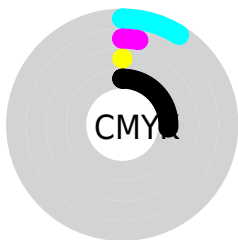
Distribution



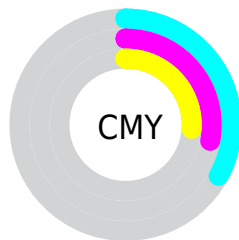
- Red (67%)
- Green (72%)
- Blue (74%)



- Red (67%)
- Yellow (70%)
- Blue (74%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7258, 0.2990, 0.3224 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 46.7258, 0.2990, 0.3224 by changing the saturation by 10% instead.

■ 46.7258, 0.2990,
0.3224

■ 46.7258, 0.2990,
0.3224

373.7190, 0.3058,
0.3257

■ 32.8189, 0.2973,
0.3216

■ 85.3042, 0.3015,
0.3236

■ 21.9878, 0.2951,
0.3205

110.7445, 0.3024,
0.3241

■ 13.8479, 0.2922,
0.3190

140.7981, 0.3032,
0.3245

■ 8.0150, 0.2882,
0.3169

175.8493, 0.3039,
0.3248

■ 4.1045, 0.2822,
0.3138

216.2827, 0.3045,
0.3251

■ 1.7322, 0.2723,
0.3086

262.4825, 0.3050,

■ 0.4444, 0.2227,

0.3253

0.2867

314.8331, 0.3054,
0.3255

0.0000, 0.0000,
0.0000

46.7258, 0.2990,
0.3224

46.7258, 0.2990,
0.3224

42.4869, 0.2838,
0.3144

51.3625, 0.3142,
0.3297

38.6262, 0.2688,
0.3056

56.4040, 0.3292,
0.3362

35.1309, 0.2544,
0.2961

61.8648, 0.3439,
0.3421

31.9851, 0.2410,
0.2860

67.7566, 0.3579,
0.3472

29.1717, 0.2288,
0.2755

71.8491, 0.3624,
0.3525

■ 26.6717, 0.2183,
0.2646

■ 74.6551, 0.3610,
0.3580

■ 24.4636, 0.2096,
0.2536

■ 77.5566, 0.3597,
0.3635

■ 22.5224, 0.2029,
0.2426

■ 80.5546, 0.3583,
0.3689

■ 20.8052, 0.1979,
0.2317

■ 83.6500, 0.3570,
0.3743

Harmonies

Analogous

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



46.7258, 0.3009, 0.3285



46.7258, 0.2990, 0.3224



46.7258, 0.3007, 0.3182

Triad

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



46.7258, 0.2990, 0.3224



46.7258, 0.3194, 0.3233



46.7258, 0.3198, 0.3414

Complementary

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



46.7258, 0.2990, 0.3224



45.2219, 0.3275, 0.3355

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.



46.7258, 0.3249, 0.3398



46.7258, 0.2990, 0.3224



46.7258, 0.3246, 0.3294

Square

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



46.7258, 0.2990, 0.3224



46.7258, 0.3124, 0.3188



46.7258, 0.3266, 0.3354



46.7258, 0.3129, 0.3395

Rectangle

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



46.7258, 0.2990, 0.3224



46.7258, 0.3036, 0.3170



46.7258, 0.3266, 0.3354



46.7258, 0.3218, 0.3412

Sweetspot

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



46.7278, 0.2990, 0.3224



88.5562, 0.3081, 0.3268



48.3243, 0.3080, 0.3452



18.8989, 0.3069, 0.3262



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.



46.7278, 0.2990, 0.3224



81.9892, 0.2957, 0.3207



43.3616, 0.2990, 0.3112



10.3252, 0.2985, 0.3221



14.0264, 0.1978, 0.2320



0.6573, 0.2050, 0.2580

Inverse Universe

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



43.7760, 0.3179, 0.3135



75.5628, 0.3193, 0.3097



48.6194, 0.3264, 0.3462



9.6474, 0.3181, 0.3129



8.4457, 0.4105, 0.2035



0.3417, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 46.7258, 0.2990, 0.3224 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 46.7258, 0.2990, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

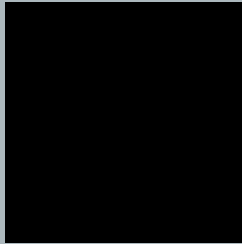
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

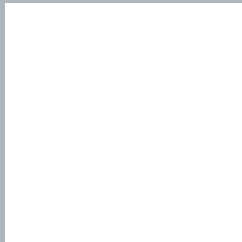
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7258, 0.2990, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 46.7258, 0.2990, 0.3224.



This preview shows how white text looks on a background with the Yxy color 46.7258, 0.2990, 0.3224.

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

46.7258, 0.2990, 0.3224

Protanopia

46.7029, 0.3097, 0.3212

Deuteranopia

46.4144, 0.3171, 0.3103



Tritanopia

46.7824, 0.2939, 0.3107

Trichromacy



Original Color

46.7258, 0.2990, 0.3224

Protanomaly

46.6704, 0.3055, 0.3212

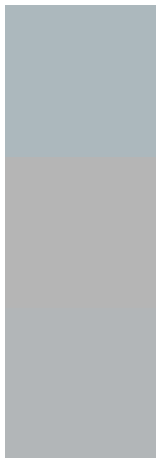
Deuteranomaly

46.5227, 0.3108, 0.3150

Tritanomaly

46.6463, 0.2961, 0.3146

Monochromacy



Original Color

46.7258, 0.2990, 0.3224

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.3816, 0.3078, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7258, 0.2990, 0.3224 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, 184, 189)` looks like.

```
.text, #text, p{  
    color:rgb(172, 184, 189)  
}
```

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, 184, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 184, 189) }
```

Border

The CSS property to change the border of an element to Yxy 46.7258, 0.2990, 0.3224 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, 184, 189) }
```

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

```
.border{ border-color:rgb(172, 184, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 184, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 184, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 184, 189);  
box-shadow:4px 4px 4px 4px rgb(172, 184,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7258, 0.2990, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 184, 189) }
```

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

```
.background{ background-color: rgb(172,  
184, 189) }
```

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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