

Converting Colors

$Yxy(46.2022, 0.3204, 0.3417)$

Have a look what the booklet for
Yxy(46.2022, 0.3204, 0.3417)
contains.

Yxy(46.3795, 0.3207, 0.3422)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3795, 0.3207, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	B6B6AC
RGB	182, 182, 172
RGB Percent	71%, 71%, 67%
CMY	0.2863, 0.2863, 0.3255
CMYK	0.00, 0.00, 0.05, 0.29
HSL	60°, 6%, 69%
HSV	60°, 5%, 71%
XYZ	43.4655, 46.3795, 45.6883
YIQ	180.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

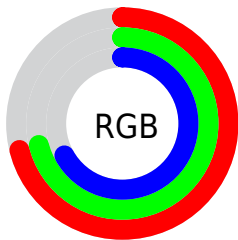
Format	Color
RYB	172, 182, 172
Decimal	11974316
CIELab	73.79, -1.81, 5.08
CIELCh	74, 5.395, 109.642
Yxy	46.3795, 0.3207, 0.3422
Android (android.graphics.Color)	4290164396 (0xFFB6B6AC)
YUV	180.8600, -4.3680, 0.9998
Hunter-Lab	68.1025, -5.2541, 7.8956

Details

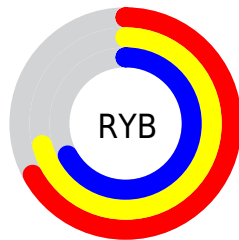
The Yxy color **46.3795, 0.3207, 0.3422** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6516, 0.3045, 0.3154**, and the grayscale version is **46.1525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8723, 0.3195, 0.3403**, and **21.7237, 0.3226, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **45.7289, 0.3356, 0.3668**, and if you desaturate by 10%, it is **47.1299, 0.3063, 0.3184**.

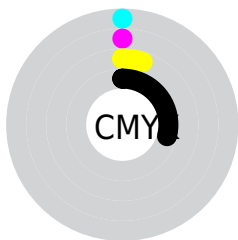
Distribution



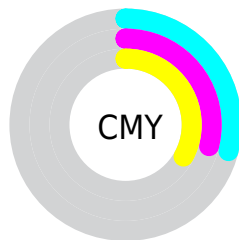
- Red (71%)
- Green (71%)
- Blue (67%)



- Red (67%)
- Yellow (71%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3795, 0.3207, 0.3422 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 46.3795, 0.3207, 0.3422 by changing the saturation by 10% instead.

■ 46.3795, 0.3207,
0.3422

■ 46.3795, 0.3207,
0.3422

372.3323, 0.3167,
0.3356

■ 32.5454, 0.3217,
0.3439

■ 84.7867, 0.3193,
0.3398

■ 21.7784, 0.3230,
0.3460

110.1285, 0.3187,
0.3389

■ 13.6942, 0.3247,
0.3489

140.0751, 0.3183,
0.3381

■ 7.9083, 0.3270,
0.3529

175.0107, 0.3179,
0.3375

■ 4.0363, 0.3306,
0.3591

215.3199, 0.3175,
0.3369

■ 1.6939, 0.3364,
0.3694

261.3869, 0.3172,

■ 0.4197, 0.4048,

0.3364

0.4791

313.5963, 0.3170,
0.3360

0.0000, 0.0000,
0.0000

46.3795, 0.3207,
0.3422

46.3795, 0.3207,
0.3422

45.7289, 0.3356,
0.3668

47.1299, 0.3063,
0.3184

45.1682, 0.3506,
0.3916

47.9778, 0.2927,
0.2959

44.6952, 0.3653,
0.4159

48.9285, 0.2800,
0.2749

44.3057, 0.3791,
0.4388


49.9854, 0.2683,
0.2556

43.9946, 0.3915,
0.4593

50.6256, 0.2622,
0.2455

 43.7566, 0.4019,
0.4765


 50.6261, 0.2622,
0.2455

 43.5859, 0.4099,
0.4897

 50.6267, 0.2622,
0.2455

 43.4754, 0.4154,
0.4988

 50.6272, 0.2622,
0.2455

 43.4165, 0.4183,
0.5037

 50.6277, 0.2622,
0.2455

Harmonies

Analogous

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



46.3795, 0.3259, 0.3403



46.3795, 0.3207, 0.3422



46.3795, 0.3134, 0.3405

Triad

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



46.3795, 0.3207, 0.3422



46.3795, 0.2981, 0.3223



46.3795, 0.3194, 0.3226

Complementary

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



46.3795, 0.3207, 0.3422



41.6516, 0.3045, 0.3154

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.



46.3795, 0.3119, 0.3179



46.3795, 0.3207, 0.3422



46.3795, 0.2997, 0.3177

Square

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



46.3795, 0.3207, 0.3422



46.3795, 0.3004, 0.3288



46.3795, 0.3047, 0.3161



46.3795, 0.3252, 0.3290

Rectangle

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



46.3795, 0.3207, 0.3422



46.3795, 0.3083, 0.3375



46.3795, 0.3047, 0.3161



46.3795, 0.3170, 0.3208

Sweetspot

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



46.3815, 0.3207, 0.3422



84.5348, 0.3156, 0.3338



42.4276, 0.3218, 0.3290



18.6742, 0.3155, 0.3336



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



46.3815, 0.3207, 0.3422



83.8814, 0.3231, 0.3461



45.7833, 0.3164, 0.3424



10.5319, 0.3236, 0.3470



30.6458, 0.4193, 0.5053



1.0804, 0.4193, 0.5053

Inverse Universe

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



41.6516, 0.3045, 0.3154



72.9006, 0.3020, 0.3113



42.2282, 0.3089, 0.3156



9.0869, 0.3014, 0.3103



2.3853, 0.1500, 0.0600



0.0841, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 46.3795, 0.3207, 0.3422 looks on a white background.

Color Contrast Check

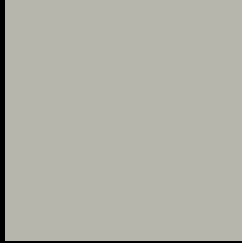
Large Text (above 18pt) WCAG AA × Fail

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 46.3795, 0.3207, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

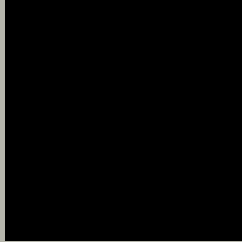
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

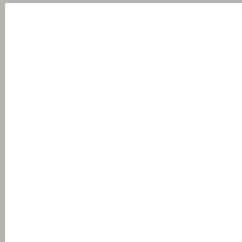
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3795, 0.3207, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 46.3795, 0.3207, 0.3422.



This preview shows how white text looks on a background with the Yxy color 46.3795, 0.3207, 0.3422.

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

46.3795, 0.3207, 0.3422

Protanopia

46.5528, 0.3260, 0.3421

Deuteranopia

46.2336, 0.3387, 0.3316



Tritanopia

46.4047, 0.3067, 0.3111

Trichromacy



Original Color

46.3795, 0.3207, 0.3422

Protanomaly

46.3023, 0.3242, 0.3421

Deuteranomaly

46.4600, 0.3319, 0.3354

Tritanomaly

46.3356, 0.3122, 0.3225

Monochromacy



Original Color

46.3795, 0.3207, 0.3422

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0859, 0.3151, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3795, 0.3207, 0.3422 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(182, 182, 172)` looks like.

```
.text, #text, p{  
    color:rgb(182, 182, 172)  
}
```

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(182, 182, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 182, 172) }
```

Border

The CSS property to change the border of an element to Yxy 46.3795, 0.3207, 0.3422 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(182, 182, 172) }
```

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

```
.border{ border-color:rgb(182, 182, 172) }
```

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

Here you see how a box with a 4 pixel rgb(182, 182, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 182, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 182, 172);  
box-shadow:4px 4px 4px 4px rgb(182, 182,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3795, 0.3207, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 182, 172) }
```

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

```
.background{ background-color: rgb(182,  
182, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor