

Converting Colors

$Y_{xy}(28.8327, 0.3152, 0.2759)$

Have a look what the booklet for
Yxy(28.8327, 0.3152, 0.2759)
contains.

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Color

Yxy(28.7994, 0.3152, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	AC86AC
RGB	172, 134, 172
RGB Percent	67%, 53%, 67%
CMY	0.3255, 0.4745, 0.3254
CMYK	0.00, 0.22, 0.00, 0.33
HSL	300°, 19%, 60%
HSV	300°, 22%, 67%
XYZ	32.9854, 28.7994, 42.8642
YIQ	149.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

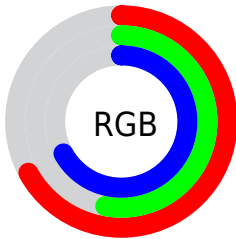
Format	Color
RYB	172, 134, 172
Decimal	11306668
CIELab	60.60, 21.18, -14.50
CIELCh	61, 25.670, 325.596
Yxy	28.7994, 0.3152, 0.2752
Android (android.graphics.Color)	4289496748 (0xFFAC86AC)
YUV	149.6940, 10.9969, 19.5624
Hunter-Lab	53.6651, 15.8016, -9.7915

Details

The Yxy color **28.7994, 0.3152, 0.2752** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.3091, 0.3099, 0.3894**, and the grayscale version is **30.3130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5807, 0.3156, 0.2856**, and **11.6187, 0.3145, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **24.4237, 0.3163, 0.2509**, and if you desaturate by 10%, it is **33.9511, 0.3141, 0.2998**.

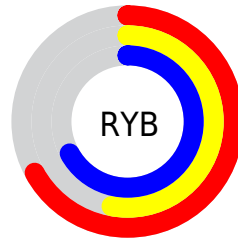
Distribution



Red (67%)

Green (53%)

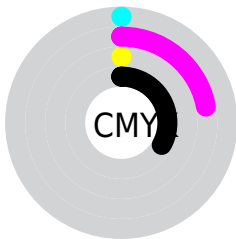
Blue (67%)



Red (67%)

Yellow (53%)

Blue (67%)

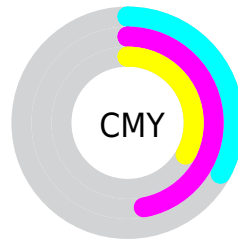


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (47%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7994, 0.3152, 0.2752 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 28.7994, 0.3152, 0.2752 by changing the saturation by 10% instead.


 28.7994, 0.3152,
0.2752


 28.7994, 0.3152,
0.2752


296.2673, 0.3143,
0.3031

 18.9291, 0.3153,
0.2679


 57.7582, 0.3150,
0.2856

 11.6191, 0.3153,
0.2584


 77.6155, 0.3149,
0.2894

 6.4849, 0.3151,
0.2454


 101.5707, 0.3148,
0.2926

 3.1421, 0.3143,
0.2266

130.0080, 0.3147,
0.2953

 1.2064, 0.3121,
0.1975

163.3120, 0.3146,
0.2977

 0.0669, 0.3338,
0.0384

201.8669, 0.3145,

 0.0000, 0.0000,

0.2997

0.0000

246.0572, 0.3144,
0.3015

■ 28.7994, 0.3152,
0.2752

■ 28.7994, 0.3152,
0.2752

■ 24.4237, 0.3163,
0.2509

■ 33.9511, 0.3141,
0.2998

■ 20.7830, 0.3174,
0.2277

■ 39.9100, 0.3129,
0.3240

■ 17.8380, 0.3183,
0.2065

■ 46.7099, 0.3119,
0.3473

■ 15.5445, 0.3192,
0.1883

■ 54.3818, 0.3109,
0.3692

■ 13.8529, 0.3198,
0.1738

■ 62.9550, 0.3099,
0.3896

■ 12.7068, 0.3203,
0.1633

■ 72.4575, 0.3090,
0.4084

■ 12.0390, 0.3206,
0.1570

■ 82.9159, 0.3082,
0.4255

■ 11.7345, 0.3207,
0.1540

■ 83.2847, 0.3082,
0.4261

■ 83.2866, 0.3082,
0.4261

Harmonies

Analogous

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



28.7994, 0.2749, 0.2620



28.7994, 0.3152, 0.2752



28.7994, 0.3574, 0.3005

Triad

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



28.7994, 0.3152, 0.2752



28.7994, 0.3812, 0.3940



28.7994, 0.2425, 0.3174

Complementary

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



28.7994, 0.3152, 0.2752



36.3091, 0.3099, 0.3894

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.



28.7994, 0.2677, 0.3588



28.7994, 0.3152, 0.2752



28.7994, 0.3475, 0.4051

Square

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



28.7994, 0.3152, 0.2752



28.7994, 0.3967, 0.3669



28.7994, 0.3059, 0.3926



28.7994, 0.2352, 0.2831

Rectangle

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



28.7994, 0.3152, 0.2752



28.7994, 0.3799, 0.3218



28.7994, 0.3059, 0.3926



28.7994, 0.2491, 0.3310

Sweetspot

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



28.8007, 0.3152, 0.2752



66.7623, 0.3135, 0.3120



25.2753, 0.2763, 0.2697



14.3767, 0.3136, 0.3106



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.8007, 0.3152, 0.2752



47.7890, 0.3158, 0.2620



28.1467, 0.3346, 0.3004



8.1477, 0.3137, 0.3066



8.7293, 0.3207, 0.1540



0.2430, 0.3208, 0.1541

Inverse Universe

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



27.5476, 0.3566, 0.3291



45.0707, 0.3709, 0.3291



36.8643, 0.2954, 0.3595



8.0155, 0.3286, 0.3290



6.5271, 0.6399, 0.3299



0.1816, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 28.7994, 0.3152, 0.2752 looks on a white background.

Color Contrast Check

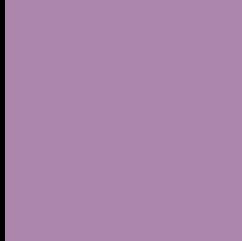
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7994, 0.3152, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

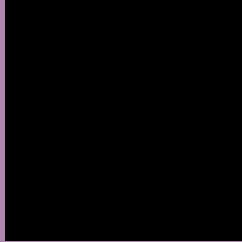
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7994, 0.3152, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 28.7994, 0.3152, 0.2752.



This preview shows how white text looks on a background with the Yxy color 28.7994, 0.3152, 0.2752.

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

28.7994, 0.3152, 0.2752

Protanopia

28.9087, 0.2754, 0.2770

Deuteranopia

28.9368, 0.2933, 0.2880



Tritanopia

28.7819, 0.3355, 0.3128

Trichromacy



Original Color

28.7994, 0.3152, 0.2752

Protanomaly

28.6684, 0.2889, 0.2766

Deuteranomaly

28.8645, 0.3004, 0.2830

Tritanomaly

28.8717, 0.3283, 0.2999

Monochromacy



Original Color

28.7994, 0.3152, 0.2752

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6842, 0.3137, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7994, 0.3152, 0.2752 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, 134, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 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(172, 134, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 172) }
```

Border

The CSS property to change the border of an element to Yxy 28.7994, 0.3152, 0.2752 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, 134, 172) }
```

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

```
.border{ border-color:rgb(172, 134, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7994, 0.3152, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 172) }
```

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

```
.background{ background-color: rgb(172,  
134, 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](#).

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