

Converting Colors

$Y_{xy}(34.6200, 0.2948, 0.2662)$

Have a look what the booklet for
Yxy(34.6200, 0.2948, 0.2662)
contains.

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Color

Yxy(34.4791, 0.2947, 0.2662)

Conversions

Conversions Part 1

Format	Color
Hex	AE95C4
RGB	174, 149, 196
RGB Percent	68%, 58%, 77%
CMY	0.3176, 0.4157, 0.2313
CMYK	0.11, 0.24, 0.00, 0.23
HSL	272°, 28%, 68%
HSV	272°, 24%, 77%
XYZ	38.1705, 34.4791, 56.8737
YIQ	161.8330, -0.1870, 19.9170

Conversions

Conversions Part 2

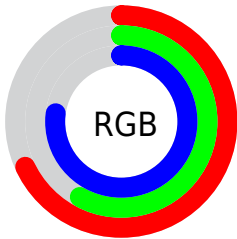
Format	Color
RYB	174, 149, 196
Decimal	11441604
CIELab	65.34, 18.28, -20.83
CIELCh	65, 27.714, 311.281
Yxy	34.4791, 0.2947, 0.2662
Android (android.graphics.Color)	4289631684 (0xFFAE95C4)
YUV	161.8330, 16.8443, 10.6705
Hunter-Lab	58.7189, 13.2767, -16.3236

Details

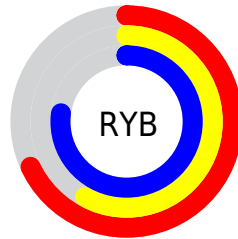
The Yxy color **34.4791, 0.2947, 0.2662** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3111, 0.3273, 0.3924**, and the grayscale version is **35.9706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6267, 0.2984, 0.2772**, and **14.7533, 0.2884, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **27.7741, 0.2852, 0.2375**, and if you desaturate by 10%, it is **42.3026, 0.3030, 0.2937**.

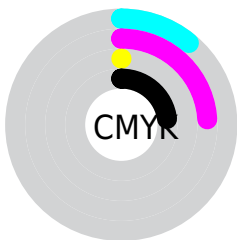
Distribution



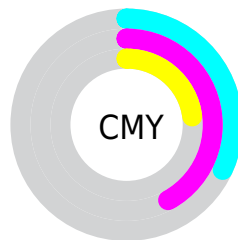
- Red (68%)
- Green (58%)
- Blue (77%)



- Red (68%)
- Yellow (58%)
- Blue (77%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (23%)




- Cyan (32%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4791, 0.2947, 0.2662 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 34.4791, 0.2947, 0.2662 by changing the saturation by 10% instead.


 34.4791, 0.2947,
0.2662


 34.4791, 0.2947,
0.2662


322.2631, 0.3045,
0.2977

 23.2619, 0.2920,
0.2583


 66.6780, 0.2985,
0.2777

 14.7870, 0.2883,
0.2482


 88.4285, 0.2998,
0.2820

 8.6700, 0.2832,
0.2348


114.4589, 0.3010,
0.2856

 4.5266, 0.2756,
0.2163

145.1536, 0.3019,
0.2887

 1.9723, 0.2631,
0.1892

180.8970, 0.3027,
0.2914

 0.5913, 0.2419,
0.1403

222.0734, 0.3034,

 0.0000, 0.0000,

0.2938

0.0000

269.0673, 0.3040,
0.2959

■ 34.4791, 0.2947,
0.2662

■ 34.4791, 0.2947,
0.2662

■ 27.7741, 0.2852,
0.2375

■ 42.3026, 0.3030,
0.2937

■ 22.1296, 0.2745,
0.2083

■ 51.2903, 0.3102,
0.3193

■ 17.4890, 0.2628,
0.1797

■ 61.4904, 0.3162,
0.3429

■ 13.7882, 0.2506,
0.1531

■ 72.9473, 0.3213,
0.3644

■ 10.9556, 0.2381,
0.1299

■ 85.7027, 0.3255,
0.3837

8.9088, 0.2260,
0.1114

92.1692, 0.3305,
0.3903

7.5484, 0.2147,
0.0982

93.7178, 0.3366,
0.3892

6.9484, 0.2084,
0.0921

95.3473, 0.3427,
0.3880

96.7660, 0.3478,
0.3870

Harmonies

Analogous

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



34.4791, 0.2587, 0.2599



34.4791, 0.2947, 0.2662



34.4791, 0.3382, 0.2866

Triad

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



34.4791, 0.2947, 0.2662



34.4791, 0.3927, 0.3832



34.4791, 0.2515, 0.3371

Complementary

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



34.4791, 0.2947, 0.2662



50.3111, 0.3273, 0.3924

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.



34.4791, 0.2843, 0.3778



34.4791, 0.2947, 0.2662



34.4791, 0.3661, 0.4036

Square

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



34.4791, 0.2947, 0.2662



34.4791, 0.3971, 0.3513



34.4791, 0.3262, 0.4030



34.4791, 0.2352, 0.2973

Rectangle

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



34.4791, 0.2947, 0.2662



34.4791, 0.3653, 0.3059



34.4791, 0.3262, 0.4030



34.4791, 0.2609, 0.3514

Sweetspot

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



34.4805, 0.2947, 0.2662



87.5859, 0.3081, 0.3115



39.7738, 0.2749, 0.2951



18.5290, 0.3076, 0.3100



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.4805, 0.2947, 0.2662



55.5675, 0.2896, 0.2506



37.1813, 0.3162, 0.2709



10.0059, 0.3065, 0.3058



4.5158, 0.2098, 0.0929



0.2358, 0.2336, 0.1061

Inverse Universe

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



36.1707, 0.3394, 0.3005



59.2674, 0.3474, 0.2936



48.0688, 0.3090, 0.3948



10.1546, 0.3217, 0.3183



8.0508, 0.5072, 0.2568



0.3618, 0.4550, 0.2280

Previews

White Background



This preview shows how the Yxy color 34.4791, 0.2947, 0.2662 looks on a white background.

Color Contrast Check

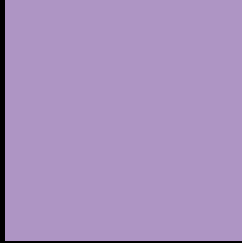
Large Text (above 18pt) WCAG AA × Fail

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 34.4791, 0.2947, 0.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

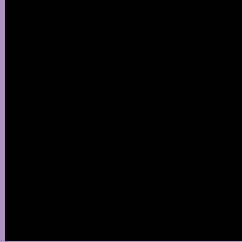
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4791, 0.2947, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 34.4791, 0.2947, 0.2662.



This preview shows how white text looks on a background with the Yxy color 34.4791, 0.2947, 0.2662.

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

34.4791, 0.2947, 0.2662

Protanopia

34.6741, 0.2680, 0.2660

Deuteranopia

34.4507, 0.2797, 0.2731



Tritanopia

34.3362, 0.3156, 0.3105

Trichromacy



Original Color

34.4791, 0.2947, 0.2662

Protanomaly

34.4494, 0.2766, 0.2655

Deuteranomaly

34.5091, 0.2857, 0.2712

Tritanomaly

34.3288, 0.3076, 0.2928

Monochromacy



Original Color

34.4791, 0.2947, 0.2662

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.2769, 0.3062, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4791, 0.2947, 0.2662 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(174, 149, 196)` looks like.

```
.text, #text, p{  
    color:rgb(174, 149, 196)  
}
```

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(174, 149, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 149, 196) }
```

Border

The CSS property to change the border of an element to Yxy 34.4791, 0.2947, 0.2662 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(174, 149, 196) }
```

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

```
.border{ border-color:rgb(174, 149, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 149, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 149, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 149, 196);  
box-shadow:4px 4px 4px 4px rgb(174, 149,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4791, 0.2947, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 149, 196) }
```

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

```
.background{ background-color: rgb(174,  
149, 196) }
```

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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