

Converting Colors

$Y_{xy}(35.7770, 0.2819, 0.2669)$

Have a look what the booklet for
Yxy(35.7770, 0.2819, 0.2669)
contains.

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Color

Yxy(35.5995, 0.2812, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	A49BCA
RGB	164, 155, 202
RGB Percent	64%, 61%, 79%
CMY	0.3568, 0.3921, 0.2080
CMYK	0.19, 0.23, 0.00, 0.21
HSL	252°, 31%, 70%
HSV	252°, 23%, 79%
XYZ	37.6904, 35.5995, 60.7443
YIQ	163.0490, -9.7230, 16.5250

Conversions

Conversions Part 2

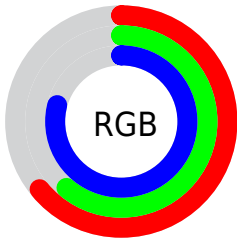
Format	Color
RYB	164, 155, 202
Decimal	10787786
CIELab	66.21, 12.97, -22.90
CIELCh	66, 26.318, 299.536
Yxy	35.5995, 0.2812, 0.2656
Android (android.graphics.Color)	4288977866 (0xFFA49BCA)
YUV	163.0490, 19.2028, 0.8340
Hunter-Lab	59.6653, 8.3437, -18.5965

Details

The Yxy color **35.5995, 0.2812, 0.2656** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.9280, 0.3400, 0.3879**, and the grayscale version is **36.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8810, 0.2896, 0.2805**, and **15.4835, 0.2713, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **27.8039, 0.2647, 0.2340**, and if you desaturate by 10%, it is **44.7453, 0.2960, 0.2948**.

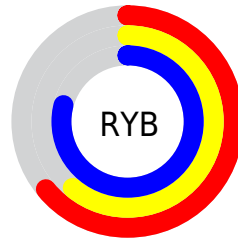
Distribution



Red (64%)

Green (61%)

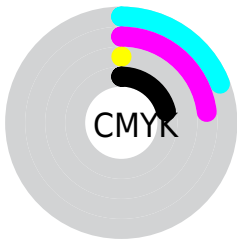
Blue (79%)



Red (64%)

Yellow (61%)

Blue (79%)

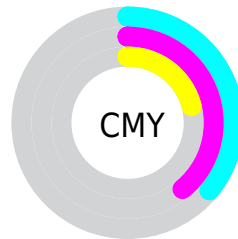


Cyan (19%)

Magenta (23%)

Yellow (0%)

Black (21%)



Cyan (36%)

Magenta (39%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5995, 0.2812, 0.2656 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 35.5995, 0.2812, 0.2656 by changing the saturation by 10% instead.

■ 35.5995, 0.2812,
0.2656

■ 35.5995, 0.2812,
0.2656

■ 327.2066, 0.2978,
0.2975

■ 24.1250, 0.2768,
0.2577

■ 68.4135, 0.2874,
0.2772

■ 15.4264, 0.2710,
0.2475

■ 90.5217, 0.2897,
0.2815

■ 9.1192, 0.2631,
0.2340

■ 116.9434, 0.2916,
0.2852

■ 4.8190, 0.2517,
0.2154

■ 148.0629, 0.2932,
0.2884

■ 2.1415, 0.2340,
0.1883

■ 184.2646, 0.2946,
0.2911

■ 0.6878, 0.2042,
0.1438

■ 225.9328, 0.2958,

■ 0.0000, 0.0000,

0.2935

0.0000

273.4520, 0.2969,
0.2956

■ 35.5995, 0.2812,
0.2656

■ 35.5995, 0.2812,
0.2656

■ 27.8039, 0.2647,
0.2340

■ 44.7453, 0.2960,
0.2948

■ 21.2900, 0.2467,
0.2008

■ 55.2969, 0.3089,
0.3211

■ 15.9894, 0.2278,
0.1673

■ 67.3122, 0.3201,
0.3445

■ 11.8258, 0.2090,
0.1356

■ 80.8443, 0.3296,
0.3650

■ 8.7143, 0.1914,
0.1077

■ 95.3097, 0.3380,
0.3821

■ 6.5572, 0.1763,
0.0858

■ 97.0430, 0.3442,
0.3811

■ 5.2385, 0.1646,
0.0712

■ 4.6890, 0.1588,
0.0648

Harmonies

Analogous

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



35.5995, 0.2521, 0.2657



35.5995, 0.2812, 0.2656



35.5995, 0.3206, 0.2800

Triad

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



35.5995, 0.2812, 0.2656



35.5995, 0.3923, 0.3694



35.5995, 0.2657, 0.3524

Complementary

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



35.5995, 0.2812, 0.2656



55.9280, 0.3400, 0.3879

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.



35.5995, 0.3011, 0.3863



35.5995, 0.2812, 0.2656



35.5995, 0.3748, 0.3937

Square

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



35.5995, 0.2812, 0.2656



35.5995, 0.3870, 0.3375



35.5995, 0.3411, 0.4013



35.5995, 0.2436, 0.3131

Rectangle

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



35.5995, 0.2812, 0.2656



35.5995, 0.3477, 0.2961



35.5995, 0.3411, 0.4013



35.5995, 0.2764, 0.3650

Sweetspot

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



35.6010, 0.2812, 0.2656



86.5009, 0.3041, 0.3113



49.5321, 0.2777, 0.3175



18.2780, 0.3034, 0.3097



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.



35.6010, 0.2812, 0.2656



53.2445, 0.2729, 0.2497



38.2847, 0.3017, 0.2693



10.9458, 0.3012, 0.3052



3.0476, 0.1597, 0.0653



0.1889, 0.1781, 0.0755

Inverse Universe

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



39.8459, 0.3235, 0.2821



61.7445, 0.3263, 0.2715



53.1273, 0.3212, 0.3916



11.3654, 0.3166, 0.3105



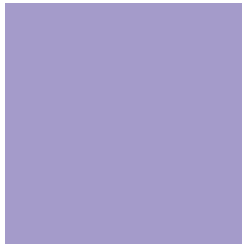
9.8004, 0.3758, 0.1844



0.5153, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 35.5995, 0.2812, 0.2656 looks on a white background.

Color Contrast Check

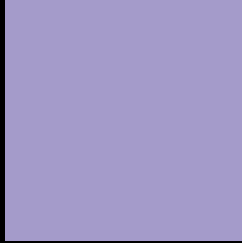
Large Text (above 18pt) WCAG AA × Fail

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 35.5995, 0.2812, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

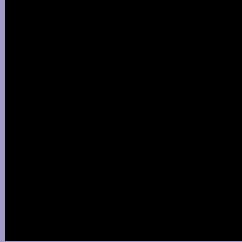
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5995, 0.2812, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 35.5995, 0.2812, 0.2656.



This preview shows how white text looks on a background with the Yxy color 35.5995, 0.2812, 0.2656.

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

35.5995, 0.2812, 0.2656

Protanopia

35.5936, 0.2670, 0.2653

Deuteranopia

35.7387, 0.2754, 0.2698



Tritanopia

35.5297, 0.3005, 0.3102

Trichromacy



Original Color

35.5995, 0.2812, 0.2656

Protanomaly

35.6834, 0.2716, 0.2658

Deuteranomaly

35.7019, 0.2778, 0.2688

Tritanomaly

35.4915, 0.2931, 0.2924

Monochromacy



Original Color

35.5995, 0.2812, 0.2656

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1025, 0.3008, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5995, 0.2812, 0.2656 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(164, 155, 202)` looks like.

```
.text, #text, p{  
    color:rgb(164, 155, 202)  
}
```

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(164, 155, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 155, 202) }
```

Border

The CSS property to change the border of an element to Yxy 35.5995, 0.2812, 0.2656 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(164, 155, 202) }
```

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

```
.border{ border-color:rgb(164, 155, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 155, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 155, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 155, 202);  
box-shadow:4px 4px 4px 4px rgb(164, 155,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5995, 0.2812, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 155, 202) }
```

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

```
.background{ background-color: rgb(164,  
155, 202) }
```

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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