

Converting Colors

$Y_{xy}(25.6830, 0.4232, 0.4261)$

Have a look what the booklet for
Yxy(25.6830, 0.4232, 0.4261)
contains.

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Color

Yxy(25.6830, 0.4232, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	A78644
RGB	167, 134, 68
RGB Percent	65%, 53%, 27%
CMY	0.3450, 0.4745, 0.7333
CMYK	0.00, 0.20, 0.59, 0.35
HSL	40°, 42%, 46%
HSV	40°, 59%, 65%
XYZ	25.5082, 25.6830, 9.0834
YIQ	136.3430, 40.8540, -13.5300

Conversions

Conversions Part 2

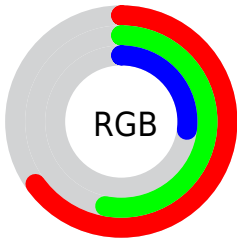
Format	Color
R_{YB}	118, 167, 68
Decimal	10978884
CIE _{Lab}	57.73, 4.69, 39.74
CIE _{LCh}	58, 40.016, 83.266
Yxy	25.6830, 0.4232, 0.4261
Android (android.graphics.Color)	4289168964 (0xFFA78644)
YUV	136.3430, -33.6931, 26.8862
Hunter-Lab	50.6784, 1.1581, 24.8480

Details

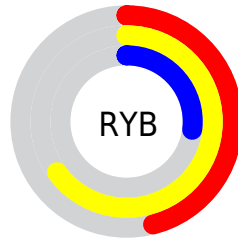
The Yxy color **25.6830, 0.4232, 0.4261** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **13.3344, 0.2132, 0.2028**, and the grayscale version is **24.8749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6959, 0.4012, 0.4083**, and **9.9888, 0.4557, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **24.0089, 0.4434, 0.4377**, and if you desaturate by 10%, it is **27.4988, 0.4024, 0.4116**.

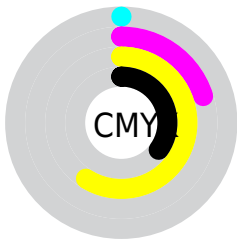
Distribution



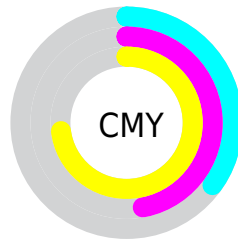
- Red (65%)
- Green (53%)
- Blue (27%)



- Red (46%)
- Yellow (65%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (59%)
- Black (35%)



- Cyan (35%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6830, 0.4232, 0.4261 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 25.6830, 0.4232, 0.4261 by changing the saturation by 10% instead.


 25.6830, 0.4232,
0.4261


 25.6830, 0.4232,
0.4261

281.2225, 0.3645,
0.3759


 16.5866, 0.4380,
0.4380


 52.7631, 0.4015,
0.4080

 9.9402, 0.4563,
0.4520


 71.5156, 0.3934,
0.4011

 5.3593, 0.4807,
0.4698

 94.2557, 0.3866,
0.3953

 2.4596, 0.5111,
0.4889

 121.3676, 0.3808,
0.3903

 0.8563, 0.5210,
0.4790

 153.2359, 0.3758,
0.3859

 0.0000, 0.0000,
0.0000

190.2449, 0.3715,

0.3822

232.7789, 0.3678,
0.3788

■ 25.6830, 0.4232,
0.4261

■ 25.6830, 0.4232,
0.4261

■ 24.0089, 0.4434,
0.4377

■ 27.4988, 0.4024,
0.4116

■ 22.4665, 0.4620,
0.4454

■ 29.4583, 0.3819,
0.3953

■ 21.0497, 0.4781,
0.4484

■ 31.5680, 0.3622,
0.3781

■ 19.7453, 0.4917,
0.4472

■ 33.8327, 0.3438,
0.3609

■ 19.6545, 0.4926,
0.4470

■ 36.2570, 0.3270,
0.3440

■ 38.8452, 0.3117,
0.3279

■ 41.6014, 0.2979,
0.3127

■ 44.5296, 0.2856,
0.2986

■ 47.6335, 0.2747,
0.2856

Harmonies

Analogous

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



25.6830, 0.4482, 0.3792



25.6830, 0.4232, 0.4261



25.6830, 0.3696, 0.4532

Triad

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



25.6830, 0.4232, 0.4261



25.6830, 0.2051, 0.3120



25.6830, 0.3097, 0.2442

Complementary

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



25.6830, 0.4232, 0.4261



13.3344, 0.2132, 0.2028

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.



25.6830, 0.2481, 0.2256



25.6830, 0.4232, 0.4261



25.6830, 0.1932, 0.2571

Square

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



25.6830, 0.4232, 0.4261



25.6830, 0.2440, 0.3832



25.6830, 0.2079, 0.2288



25.6830, 0.3794, 0.2803

Rectangle

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



25.6830, 0.4232, 0.4261



25.6830, 0.3261, 0.4497



25.6830, 0.2079, 0.2288



25.6830, 0.2873, 0.2358

Sweetspot

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



25.6842, 0.4232, 0.4261



60.9778, 0.3422, 0.3592



13.3259, 0.4258, 0.2776



13.3819, 0.3471, 0.3641



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



25.6842, 0.4232, 0.4261



42.1326, 0.4492, 0.4405



34.7538, 0.3798, 0.4741



8.3459, 0.3270, 0.3440



15.1287, 0.4918, 0.4477



0.4563, 0.4627, 0.4708

Inverse Universe

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



13.3344, 0.2132, 0.2028



18.1259, 0.1930, 0.1701



8.7593, 0.2137, 0.1486



7.6942, 0.2986, 0.3135



4.3594, 0.1642, 0.1110



0.1997, 0.1832, 0.1796

Previews

White Background



This preview shows how the Yxy color 25.6830, 0.4232, 0.4261 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 25.6830, 0.4232, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

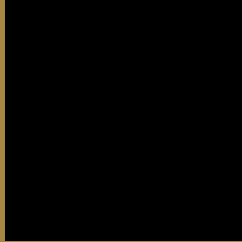
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6830, 0.4232, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 25.6830, 0.4232, 0.4261.



This preview shows how white text looks on a background with the Yxy color 25.6830, 0.4232, 0.4261.

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

25.6830, 0.4232, 0.4261

Protanopia

25.7775, 0.4013, 0.4372

Deuteranopia

25.5778, 0.4298, 0.4214



Tritanopia

25.5835, 0.3579, 0.3142

Trichromacy



Original Color

25.6830, 0.4232, 0.4261

Protanomaly

25.6919, 0.4100, 0.4331

Deuteranomaly

25.7385, 0.4277, 0.4232

Tritanomaly

25.5061, 0.3846, 0.3566

Monochromacy



Original Color

25.6830, 0.4232, 0.4261

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.6787, 0.3528, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6830, 0.4232, 0.4261 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(167, 134, 68)` looks like.

```
.text, #text, p{  
    color:rgb(167, 134, 68)  
}
```

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(167, 134, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 134, 68) }
```

Border

The CSS property to change the border of an element to Yxy 25.6830, 0.4232, 0.4261 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(167, 134, 68) }
```

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

```
.border{ border-color:rgb(167, 134, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 134, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 134, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 134, 68);  
box-shadow:4px 4px 4px 4px rgb(167, 134,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6830, 0.4232, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 134, 68) }
```

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

```
.background{ background-color: rgb(167,  
134, 68) }
```

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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