

Converting Colors

$Y_{xy}(27.3560, 0.3996, 0.4168)$

Have a look what the booklet for
Yxy(27.3560, 0.3996, 0.4168)
contains.

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Color

Yxy(27.2732, 0.4002, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	A48C53
RGB	164, 140, 83
RGB Percent	64%, 55%, 33%
CMY	0.3569, 0.4510, 0.6744
CMYK	0.00, 0.15, 0.49, 0.36
HSL	42°, 33%, 48%
HSV	42°, 49%, 64%
XYZ	26.2500, 27.2732, 12.0689
YIQ	140.6780, 32.6010, -12.6390

Conversions

Conversions Part 2

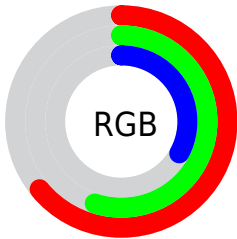
Format	Color
R_{YB}	117, 164, 83
Decimal	10783827
CIE Lab	59.23, 1.36, 33.63
CIE LCh	59, 33.655, 87.684
Yxy	27.2732, 0.4002, 0.4158
Android (android.graphics.Color)	4288973907 (0xFFA48C53)
YUV	140.6780, -28.4353, 20.4534
Hunter-Lab	52.2237, -1.6696, 22.8547

Details

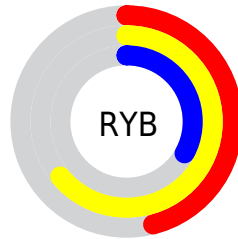
The Yxy color **27.2732, 0.4002, 0.4158** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0402, 0.2291, 0.2219**, and the grayscale version is **26.6086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2333, 0.3831, 0.3978**, and **10.7547, 0.4272, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **25.6611, 0.4198, 0.4310**, and if you desaturate by 10%, it is **29.0105, 0.3806, 0.3988**.

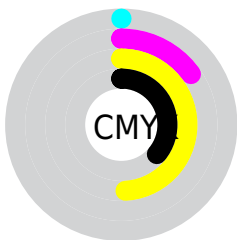
Distribution



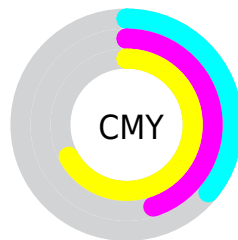
- Red (64%)
- Green (55%)
- Blue (33%)



- Red (46%)
- Yellow (64%)
- Blue (33%)



- Cyan (0%)
- Magenta (15%)
- Yellow (49%)
- Black (36%)





- Cyan (36%)
- Magenta (45%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2732, 0.4002, 0.4158 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 27.2732, 0.4002, 0.4158 by changing the saturation by 10% instead.


 27.2732, 0.4002,
0.4158


 27.2732, 0.4002,
0.4158


288.9775, 0.3537,
0.3700


 17.7785, 0.4122,
0.4275


 55.3220, 0.3828,
0.3988

 10.7911, 0.4275,
0.4422


 74.6448, 0.3764,
0.3925

 5.9265, 0.4471,
0.4607


 98.0125, 0.3711,
0.3872

 2.8005, 0.4940,
0.5060

 125.8094, 0.3665,
0.3827

 1.0285, 0.4966,
0.5034

 158.4200, 0.3626,
0.3789

 0.0000, 0.0000,
0.0000

196.2286, 0.3592,

0.3755

239.6196, 0.3563,
0.3726

■ 27.2732, 0.4002,
0.4158

■ 27.2732, 0.4002,
0.4158

■ 25.6611, 0.4198,
0.4310

■ 29.0105, 0.3806,
0.3988

■ 24.1654, 0.4385,
0.4432

■ 30.8738, 0.3616,
0.3808

■ 22.7815, 0.4556,
0.4516

■ 32.8688, 0.3436,
0.3627

■ 21.5030, 0.4700,
0.4553

■ 34.9995, 0.3270,
0.3450

■ 20.3171, 0.4820,
0.4549

■ 37.2697, 0.3118,
0.3280

■ 20.2452, 0.4828,
0.4549

■ 39.6830, 0.2980,
0.3120

■ 42.2428, 0.2857,
0.2971

■ 44.9526, 0.2746,
0.2833

■ 47.8154, 0.2647,
0.2706

Harmonies

Analogous

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



27.2732, 0.4240, 0.3794



27.2732, 0.4002, 0.4158



27.2732, 0.3537, 0.4316

Triad

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



27.2732, 0.4002, 0.4158



27.2732, 0.2194, 0.3083



27.2732, 0.3193, 0.2610

Complementary

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



27.2732, 0.4002, 0.4158



15.0402, 0.2291, 0.2219

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.



27.2732, 0.2657, 0.2427



27.2732, 0.4002, 0.4158



27.2732, 0.2122, 0.2649

Square

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



27.2732, 0.4002, 0.4158



27.2732, 0.2498, 0.3651



27.2732, 0.2282, 0.2431



27.2732, 0.3757, 0.2940

Rectangle

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



27.2732, 0.4002, 0.4158



27.2732, 0.3169, 0.4237



27.2732, 0.2282, 0.2431



27.2732, 0.3003, 0.2531

Sweetspot

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



27.2745, 0.4002, 0.4158



61.2155, 0.3367, 0.3554



15.1510, 0.4050, 0.2912



13.2163, 0.3400, 0.3589



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.2745, 0.4002, 0.4158



46.3729, 0.4212, 0.4320



33.4535, 0.3666, 0.4540



7.8811, 0.3268, 0.3448



15.6087, 0.4820, 0.4555



0.4039, 0.4548, 0.4771

Inverse Universe

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



15.0402, 0.2291, 0.2219



21.6679, 0.2104, 0.1936



11.5356, 0.2373, 0.1829



7.1862, 0.2987, 0.3127



3.7883, 0.1617, 0.1020



0.1580, 0.1815, 0.1734

Previews

White Background



This preview shows how the Yxy color 27.2732, 0.4002, 0.4158 looks on a white background.

Color Contrast Check

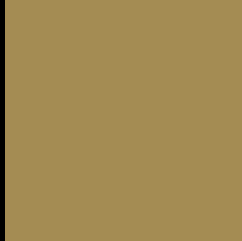
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2732, 0.4002, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

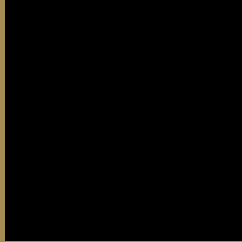
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2732, 0.4002, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 27.2732, 0.4002, 0.4158.



This preview shows how white text looks on a background with the Yxy color 27.2732, 0.4002, 0.4158.

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

27.2732, 0.4002, 0.4158

Protanopia

27.3529, 0.3877, 0.4219

Deuteranopia

27.1326, 0.4129, 0.4053



Tritanopia

27.3043, 0.3443, 0.3142

Trichromacy



Original Color

27.2732, 0.4002, 0.4158

Protanomaly

27.3570, 0.3919, 0.4193

Deuteranomaly

27.0775, 0.4086, 0.4079

Tritanomaly

27.3136, 0.3661, 0.3521

Monochromacy



Original Color

27.2732, 0.4002, 0.4158

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7954, 0.3434, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2732, 0.4002, 0.4158 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, 140, 83)` looks like.

```
.text, #text, p{  
    color:rgb(164, 140, 83)  
}
```

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, 140, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 140, 83) }
```

Border

The CSS property to change the border of an element to Yxy 27.2732, 0.4002, 0.4158 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, 140, 83) }
```

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

```
.border{ border-color:rgb(164, 140, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 140, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 140, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 140, 83);  
box-shadow:4px 4px 4px 4px rgb(164, 140,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2732, 0.4002, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 140, 83) }
```

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

```
.background{ background-color: rgb(164,  
140, 83) }
```

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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