

Converting Colors

$Y_{xy}(27.9682, 0.4261, 0.4475)$

Have a look what the booklet for
Yxy(27.9682, 0.4261, 0.4475)
contains.

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Color

Yxy(27.9662, 0.4257, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	A88E39
RGB	168, 142, 57
RGB Percent	66%, 56%, 22%
CMY	0.3411, 0.4431, 0.7765
CMYK	0.00, 0.15, 0.66, 0.34
HSL	46°, 49%, 44%
HSV	46°, 66%, 66%
XYZ	26.5623, 27.9662, 7.8682
YIQ	140.0840, 42.7810, -20.9230

Conversions

Conversions Part 2

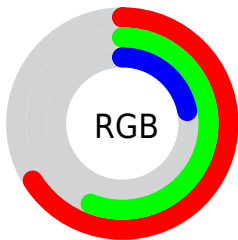
Format	Color
R _Y B	91, 168, 57
Decimal	11046457
CIE Lab	59.86, -0.08, 47.49
CIE LCh	60, 47.485, 90.093
Yxy	27.9662, 0.4257, 0.4482
Android (android.graphics.Color)	4289236537 (0xFFA88E39)
YUV	140.0840, -40.9604, 24.4823
Hunter-Lab	52.8831, -2.8879, 28.1967

Details

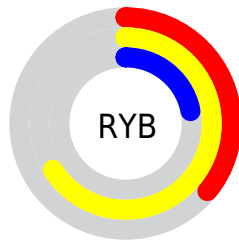
The Yxy color **27.9662, 0.4257, 0.4482** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.8860, 0.1973, 0.1646**, and the grayscale version is **26.4108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2817, 0.4057, 0.4261**, and **11.1650, 0.4546, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **26.6757, 0.4410, 0.4589**, and if you desaturate by 10%, it is **29.3563, 0.4087, 0.4339**.

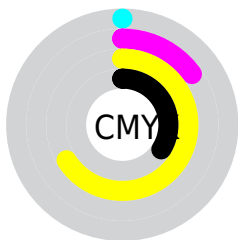
Distribution



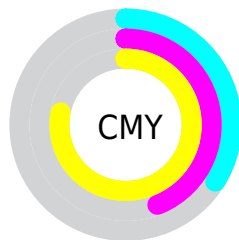
- Red (66%)
- Green (56%)
- Blue (22%)



- Red (36%)
- Yellow (66%)
- Blue (22%)



- Cyan (0%)
- Magenta (15%)
- Yellow (66%)
- Black (34%)




- Cyan (34%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9662, 0.4257, 0.4482 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 27.9662, 0.4257, 0.4482 by changing the saturation by 10% instead.


 27.9662, 0.4257,
0.4482


 27.9662, 0.4257,
0.4482


292.3054, 0.3680,
0.3873


 18.3002, 0.4388,
0.4621


 56.4305, 0.4053,
0.4266

 11.1657, 0.4540,
0.4781


 75.9975, 0.3973,
0.4183


 6.1784, 0.4760,
0.5014

 99.6337, 0.3906,
0.4111

 2.9539, 0.4869,
0.5131

 127.7234, 0.3848,
0.4050

 1.1077, 0.4868,
0.5132

 160.6510, 0.3797,
0.3997

 0.0000, 0.0000,
0.0000

 198.8010, 0.3753,

0.3951

242.5576, 0.3715,
0.3910

■ 27.9662, 0.4257,
0.4482

■ 27.9662, 0.4257,
0.4482

■ 26.6757, 0.4410,
0.4589

■ 29.3563, 0.4087,
0.4339

■ 25.4745, 0.4538,
0.4652

■ 30.8473, 0.3907,
0.4169

■ 24.3560, 0.4638,
0.4669

■ 32.4453, 0.3725,
0.3982

■ 23.9329, 0.4675,
0.4670

■ 34.1547, 0.3547,
0.3787

■ 35.9796, 0.3377,
0.3592

■ 37.9238, 0.3218,
0.3402

■ 39.9909, 0.3071,
0.3220

■ 42.1843, 0.2937,
0.3049

■ 44.5071, 0.2816,
0.2890

Harmonies

Analogous

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



27.9662, 0.4647, 0.3964



27.9662, 0.4257, 0.4482



27.9662, 0.3592, 0.4742

Triad

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



27.9662, 0.4257, 0.4482



27.9662, 0.1850, 0.2912



27.9662, 0.3269, 0.2410

Complementary

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



27.9662, 0.4257, 0.4482



9.8860, 0.1973, 0.1646

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.



27.9662, 0.2527, 0.2153



27.9662, 0.4257, 0.4482



27.9662, 0.1792, 0.2362

Square

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



27.9662, 0.4257, 0.4482



27.9662, 0.2211, 0.3725



27.9662, 0.2020, 0.2124



27.9662, 0.4062, 0.2845

Rectangle

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



27.9662, 0.4257, 0.4482



27.9662, 0.3090, 0.4633



27.9662, 0.2020, 0.2124



27.9662, 0.3003, 0.2301

Sweetspot

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



27.9675, 0.4257, 0.4482



63.8307, 0.3449, 0.3675



11.9044, 0.4697, 0.2905



13.7192, 0.3494, 0.3728



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.



27.9675, 0.4257, 0.4482



47.4249, 0.4469, 0.4622



33.9043, 0.3734, 0.4944



8.4713, 0.3268, 0.3462



18.1507, 0.4669, 0.4675



0.5124, 0.4484, 0.4822

Inverse Universe

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



9.8860, 0.1973, 0.1646



12.4725, 0.1759, 0.1266



7.6734, 0.2120, 0.1327



7.5753, 0.2986, 0.3112



3.3170, 0.1579, 0.0883



0.1557, 0.1750, 0.1499

Previews

White Background



This preview shows how the Yxy color 27.9662, 0.4257, 0.4482 looks on a white background.

Color Contrast Check

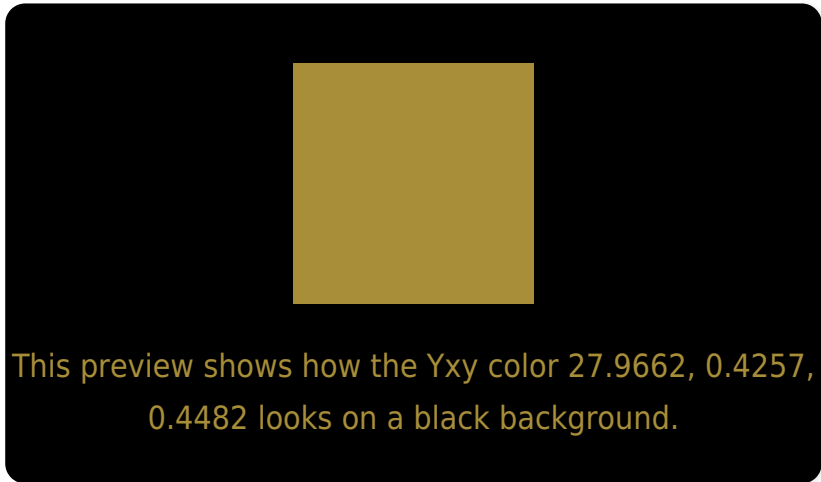
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

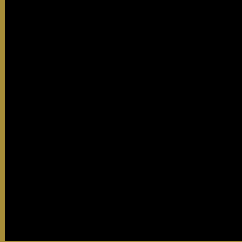
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9662, 0.4257, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 27.9662, 0.4257, 0.4482.



This preview shows how white text looks on a background with the Yxy color 27.9662, 0.4257, 0.4482.

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

27.9662, 0.4257, 0.4482

Protanopia

28.1334, 0.4140, 0.4552

Deuteranopia

27.9001, 0.4436, 0.4338



Tritanopia

27.8722, 0.3501, 0.3145

Trichromacy



Original Color

27.9662, 0.4257, 0.4482

Protanomaly

28.1445, 0.4184, 0.4521

Deuteranomaly

28.0008, 0.4371, 0.4386

Tritanomaly

27.5488, 0.3811, 0.3653

Monochromacy



Original Color

27.9662, 0.4257, 0.4482

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.6596, 0.3551, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9662, 0.4257, 0.4482 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(168, 142, 57)` looks like.

```
.text, #text, p{  
    color:rgb(168, 142, 57)  
}
```

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(168, 142, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 142, 57) }
```

Border

The CSS property to change the border of an element to Yxy 27.9662, 0.4257, 0.4482 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(168, 142, 57) }
```

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

```
.border{ border-color:rgb(168, 142, 57) }
```

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

Here you see how a box with a 4 pixel rgb(168, 142, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 142, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 142, 57);  
box-shadow:4px 4px 4px 4px rgb(168, 142,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9662, 0.4257, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 142, 57) }
```

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

```
.background{ background-color: rgb(168,  
142, 57) }
```

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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