

Converting Colors

$Y_{xy}(27.7288, 0.4224, 0.4650)$

Have a look what the booklet for
Yxy(27.7288, 0.4224, 0.4650)
contains.

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Color

Yxy(27.7288, 0.4224, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	A1902F
RGB	161, 144, 47
RGB Percent	63%, 56%, 18%
CMY	0.3685, 0.4353, 0.8157
CMYK	0.00, 0.11, 0.71, 0.37
HSL	51°, 55%, 41%
HSV	51°, 71%, 63%
XYZ	25.1885, 27.7288, 6.7145
YIQ	138.0250, 41.2690, -26.5630

Conversions

Conversions Part 2

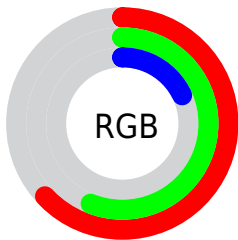
Format	Color
RYB	67, 161, 47
Decimal	10588207
CIELab	59.64, -4.88, 51.40
CIELCh	60, 51.634, 95.429
Yxy	27.7288, 0.4224, 0.4650
Android (android.graphics.Color)	4288778287 (0xFFA1902F)
YUV	138.0250, -44.8753, 20.1491
Hunter-Lab	52.6581, -6.7681, 29.3005

Details

The Yxy color **27.7288, 0.4224, 0.4650** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.8501, 0.1857, 0.1347**, and the grayscale version is **25.5905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1944, 0.4028, 0.4407**, and **11.0696, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **26.9023, 0.4336, 0.4749**, and if you desaturate by 10%, it is **28.6214, 0.4089, 0.4511**.

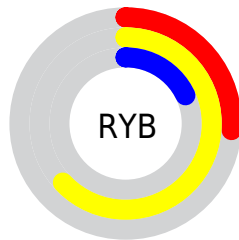
Distribution



Red (63%)

Green (56%)

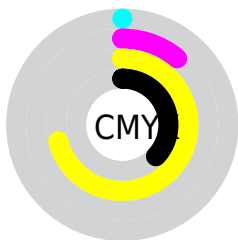
Blue (18%)



Red (26%)

Yellow (63%)

Blue (18%)

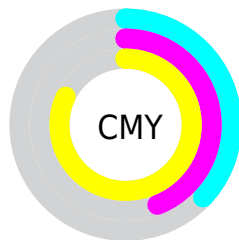


Cyan (0%)

Magenta (11%)

Yellow (71%)

Black (37%)



Cyan (37%)


Magenta (44%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7288, 0.4224, 0.4650 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 27.7288, 0.4224, 0.4650 by changing the saturation by 10% instead.


 27.7288, 0.4224,
0.4650


 27.7288, 0.4224,
0.4650


291.1687, 0.3678,
0.3950


 18.1213, 0.4339,
0.4810


 56.0512, 0.4036,
0.4401

 11.0371, 0.4462,
0.4994


 75.5348, 0.3961,
0.4305


 6.0918, 0.4685,
0.5315

 99.0794, 0.3897,
0.4223

 2.9010, 0.4631,
0.5369

 127.0692, 0.3841,
0.4153

 1.0803, 0.4535,
0.5465

 159.8886, 0.3792,
0.4092

 0.0000, 0.0000,
0.0000

 197.9221, 0.3750,

0.4039

241.5540, 0.3712,
0.3992

■ 27.7288, 0.4224,
0.4650

■ 27.7288, 0.4224,
0.4650

■ 26.9023, 0.4336,
0.4749

■ 28.6214, 0.4089,
0.4511

■ 26.1323, 0.4420,
0.4804

■ 29.5810, 0.3938,
0.4340

■ 25.4634, 0.4480,
0.4825

■ 30.6131, 0.3776,
0.4146

■ 31.7217, 0.3611,
0.3938

■ 32.9102, 0.3447,
0.3724

■ 34.1819, 0.3288,
0.3512

■ 35.5398, 0.3139,
0.3306

■ 36.9869, 0.2999,
0.3111

■ 38.5258, 0.2871,
0.2928

Harmonies

Analogous

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



27.7288, 0.4724, 0.4105



27.7288, 0.4224, 0.4650



27.7288, 0.3472, 0.4877

Triad

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



27.7288, 0.4224, 0.4650



27.7288, 0.1720, 0.2738



27.7288, 0.3435, 0.2414

Complementary

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



27.7288, 0.4224, 0.4650



6.8501, 0.1857, 0.1347

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.



27.7288, 0.2601, 0.2103



27.7288, 0.4224, 0.4650



27.7288, 0.1716, 0.2215

Square

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



27.7288, 0.4224, 0.4650



27.7288, 0.2041, 0.3592



27.7288, 0.2010, 0.2023



27.7288, 0.4280, 0.2902

Rectangle

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



27.7288, 0.4224, 0.4650



27.7288, 0.2931, 0.4689



27.7288, 0.2010, 0.2023



27.7288, 0.3140, 0.2287

Sweetspot

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



27.7301, 0.4224, 0.4650



58.7886, 0.3456, 0.3736



9.9851, 0.5115, 0.3068



12.7707, 0.3498, 0.3792



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.7301, 0.4224, 0.4650



47.3522, 0.4388, 0.4786



29.7782, 0.3632, 0.5111



8.0561, 0.3265, 0.3480



20.3762, 0.4477, 0.4827



0.4740, 0.4360, 0.4920

Inverse Universe

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



6.8501, 0.1857, 0.1347



7.9230, 0.1645, 0.0958



6.6301, 0.2170, 0.1265



7.0229, 0.2987, 0.3093



2.6180, 0.1540, 0.0744



0.1011, 0.1677, 0.1238

Previews

White Background



This preview shows how the Yxy color 27.7288, 0.4224, 0.4650 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 27.7288, 0.4224, 0.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

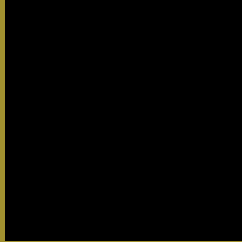
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7288, 0.4224, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 27.7288, 0.4224, 0.4650.



This preview shows how white text looks on a background with the Yxy color 27.7288, 0.4224, 0.4650.

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

27.7288, 0.4224, 0.4650

Protanopia

27.7288, 0.4224, 0.4650

Deuteranopia

27.8249, 0.4495, 0.4412



Tritanopia

27.8073, 0.3405, 0.3142

Trichromacy



Original Color

27.7288, 0.4224, 0.4650

Protanomaly

27.7288, 0.4224, 0.4650

Deuteranomaly

27.8622, 0.4390, 0.4503

Tritanomaly

27.3881, 0.3764, 0.3738

Monochromacy



Original Color

27.7288, 0.4224, 0.4650

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8871, 0.3561, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7288, 0.4224, 0.4650 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(161, 144, 47)` looks like.

```
.text, #text, p{  
    color:rgb(161, 144, 47)  
}
```

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(161, 144, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 144, 47) }
```

Border

The CSS property to change the border of an element to Yxy 27.7288, 0.4224, 0.4650 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(161, 144, 47) }
```

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

```
.border{ border-color:rgb(161, 144, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 144, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 144, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 144, 47);  
box-shadow:4px 4px 4px 4px rgb(161, 144,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7288, 0.4224, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 144, 47) }
```

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

```
.background{ background-color: rgb(161,  
144, 47) }
```

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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