

Converting Colors

$Y_{xy}(27.3757, 0.4224, 0.4725)$

Have a look what the booklet for
Yxy(27.3757, 0.4224, 0.4725)
contains.

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Color

Yxy(27.3757, 0.4224, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	9E9029
RGB	158, 144, 41
RGB Percent	62%, 56%, 16%
CMY	0.3804, 0.4353, 0.8393
CMYK	0.00, 0.09, 0.74, 0.38
HSL	53°, 59%, 39%
HSV	53°, 74%, 62%
XYZ	24.4730, 27.3757, 6.0893
YIQ	136.4440, 41.4070, -29.0650

Conversions

Conversions Part 2

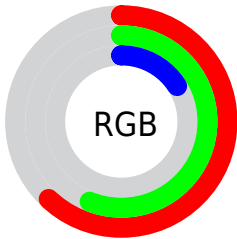
Format	Color
R_{YB}	57, 158, 41
Decimal	10391593
CIE _{Lab}	59.32, -6.57, 53.38
CIE _{LCh}	59, 53.782, 97.011
Yxy	27.3757, 0.4224, 0.4725
Android (android.graphics.Color)	4288581673 (0xFF9E9029)
YUV	136.4440, -47.0539, 18.9046
Hunter-Lab	52.3218, -8.0715, 29.7250

Details

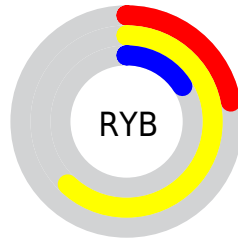
The Yxy color **27.3757, 0.4224, 0.4725** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.6682, 0.1793, 0.1203**, and the grayscale version is **24.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6434, 0.4033, 0.4467**, and **10.8890, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **26.7206, 0.4318, 0.4813**, and if you desaturate by 10%, it is **28.0872, 0.4106, 0.4595**.

Distribution



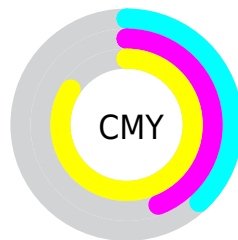
- Red (62%)
- Green (56%)
- Blue (16%)



- Red (22%)
- Yellow (62%)
- Blue (16%)



- Cyan (0%)
- Magenta (9%)
- Yellow (74%)
- Black (38%)





- Cyan (38%)
- Magenta (44%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3757, 0.4224, 0.4725 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 27.3757, 0.4224, 0.4725 by changing the saturation by 10% instead.


 27.3757, 0.4224,
0.4725


 27.3757, 0.4224,
0.4725


289.4716, 0.3685,
0.3986


 17.8556, 0.4332,
0.4892


 55.4862, 0.4042,
0.4463


 10.8464, 0.4444,
0.5084


 74.8453, 0.3968,
0.4361


 5.9636, 0.4617,
0.5383

 98.2529, 0.3904,
0.4274

 2.8230, 0.4544,
0.5456

 126.0933, 0.3848,
0.4200

 1.0400, 0.4410,
0.5590

 158.7510, 0.3799,
0.4135

 0.0000, 0.0000,
0.0000

 196.6104, 0.3756,

0.4079

240.0558, 0.3718,
0.4030

■ 27.3757, 0.4224,
0.4725

■ 27.3757, 0.4224,
0.4725

■ 26.7206, 0.4318,
0.4813

■ 28.0872, 0.4106,
0.4595

■ 26.1123, 0.4384,
0.4859

■ 28.8561, 0.3968,
0.4430

■ 25.7653, 0.4417,
0.4875

■ 29.6877, 0.3816,
0.4238

■ 30.5859, 0.3656,
0.4028

■ 31.5540, 0.3495,
0.3809

■ 32.5952, 0.3337,
0.3590

■ 33.7125, 0.3186,
0.3375

■ 34.9085, 0.3044,
0.3169

■ 36.1860, 0.2912,
0.2976

Harmonies

Analogous

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



27.3757, 0.4770, 0.4158



27.3757, 0.4224, 0.4725



27.3757, 0.3433, 0.4951

Triad

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



27.3757, 0.4224, 0.4725



27.3757, 0.1659, 0.2671



27.3757, 0.3496, 0.2403

Complementary

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



27.3757, 0.4224, 0.4725



5.6682, 0.1793, 0.1203

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.



27.3757, 0.2617, 0.2070



27.3757, 0.4224, 0.4725



27.3757, 0.1673, 0.2152

Square

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



27.3757, 0.4224, 0.4725



27.3757, 0.1968, 0.3550



27.3757, 0.1991, 0.1973



27.3757, 0.4372, 0.2913

Rectangle

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



27.3757, 0.4224, 0.4725



27.3757, 0.2872, 0.4733



27.3757, 0.1991, 0.1973



27.3757, 0.3186, 0.2268

Sweetspot

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



27.3770, 0.4224, 0.4725



57.6060, 0.3469, 0.3773



9.1439, 0.5291, 0.3097



12.8829, 0.3510, 0.3829



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.



27.3770, 0.4224, 0.4725



47.7817, 0.4365, 0.4848



28.2628, 0.3617, 0.5188



7.5849, 0.3264, 0.3485



20.6744, 0.4415, 0.4876



0.4041, 0.4316, 0.4955

Inverse Universe

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



5.6682, 0.1793, 0.1203



6.5155, 0.1593, 0.0832



5.9319, 0.2144, 0.1199



6.5567, 0.2988, 0.3087



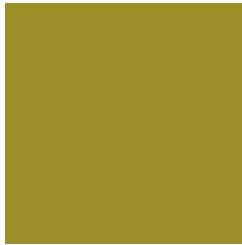
2.3802, 0.1530, 0.0708



0.0751, 0.1652, 0.1145

Previews

White Background



This preview shows how the Yxy color 27.3757, 0.4224, 0.4725 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 27.3757, 0.4224, 0.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

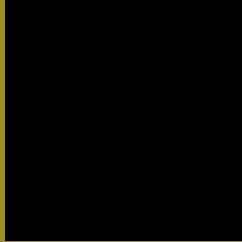
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3757, 0.4224, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 27.3757, 0.4224, 0.4725.



This preview shows how white text looks on a background with the Yxy color 27.3757, 0.4224, 0.4725.

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

27.3757, 0.4224, 0.4725

Protanopia

27.2786, 0.4258, 0.4698

Deuteranopia

27.3739, 0.4534, 0.4457



Tritanopia

27.2015, 0.3373, 0.3125

Trichromacy



Original Color

27.3757, 0.4224, 0.4725

Protanomaly

27.1759, 0.4246, 0.4706

Deuteranomaly

27.2976, 0.4416, 0.4556

Tritanomaly

27.0250, 0.3750, 0.3775

Monochromacy



Original Color

27.3757, 0.4224, 0.4725

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3341, 0.3584, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3757, 0.4224, 0.4725 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(158, 144, 41)` looks like.

```
.text, #text, p{  
    color:rgb(158, 144, 41)  
}
```

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(158, 144, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 144, 41) }
```

Border

The CSS property to change the border of an element to Yxy 27.3757, 0.4224, 0.4725 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(158, 144, 41) }
```

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

```
.border{ border-color:rgb(158, 144, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 144, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 144, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 144, 41);  
box-shadow:4px 4px 4px 4px rgb(158, 144,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3757, 0.4224, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 144, 41) }
```

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

```
.background{ background-color: rgb(158,  
144, 41) }
```

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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