

Converting Colors

$Y_{xy}(27.5939, 0.4623, 0.4711)$

Have a look what the booklet for
Yxy(27.5939, 0.4623, 0.4711)
contains.

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Color

Yxy(27.6953, 0.4619, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	B08B00
RGB	176, 139, 0
RGB Percent	69%, 55%, 0%
CMY	0.3098, 0.4549, 0.9995
CMYK	0.00, 0.21, 1.00, 0.31
HSL	47°, 100%, 35%
HSV	47°, 100%, 69%
XYZ	27.1372, 27.6953, 3.9187
YIQ	134.2170, 66.6710, -35.3850

Conversions

Conversions Part 2

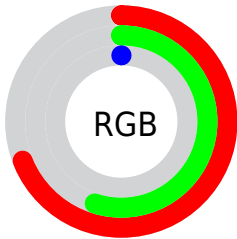
Format	Color
RYB	47, 176, 0
Decimal	11569920
CIELab	59.61, 3.32, 64.33
CIElCh	60, 64.420, 87.042
Yxy	27.6953, 0.4619, 0.4714
Android (android.graphics.Color)	4289760000 (0xFFB08B00)
YUV	134.2170, -66.1690, 36.6437
Hunter-Lab	52.6263, -0.0512, 32.4235

Details

The Yxy color **27.6953, 0.4619, 0.4714** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4656, 0.1561, 0.0820**, and the grayscale version is **24.1601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9871, 0.4385, 0.4498**, and **11.0667, 0.4699, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **27.6888, 0.4619, 0.4714**, and if you desaturate by 10%, it is **28.8295, 0.4535, 0.4705**.

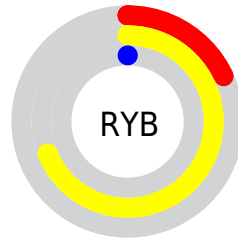
Distribution



Red (69%)

Green (55%)

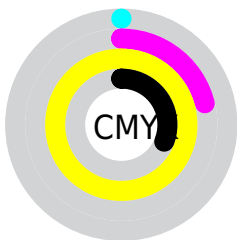
Blue (0%)



Red (18%)

Yellow (69%)

Blue (0%)

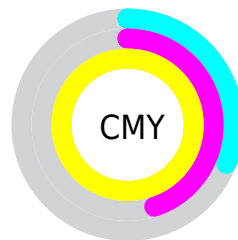


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6953, 0.4619, 0.4714 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 27.6953, 0.4619, 0.4714 by changing the saturation by 10% instead.


 27.6953, 0.4619,
0.4714


 27.6953, 0.4619,
0.4714


291.0081, 0.3902,
0.4049


 18.0961, 0.4751,
0.4827


 55.9976, 0.4385,
0.4504

 11.0190, 0.4914,
0.4961


 75.4695, 0.4287,
0.4413


 6.0796, 0.4999,
0.5001

 99.0011, 0.4201,
0.4333

 2.8936, 0.5034,
0.4966

 126.9767, 0.4126,
0.4262

 1.0764, 0.5095,
0.4905

 159.7809, 0.4060,
0.4199


 0.0000, 1.0000,
0.0000


 197.7979, 0.4001,

 0.0000, 0.0000,


0.4143

0.0000

 241.4121, 0.3949,
0.4093

 27.6953, 0.4619,
0.4714

 27.6953, 0.4619,
0.4714


 27.6888, 0.4619,
0.4714

 28.8295, 0.4535,
0.4705

 30.0370, 0.4427,
0.4657

 31.3340, 0.4292,
0.4564

 32.7278, 0.4136,
0.4431

 34.2246, 0.3966,
0.4266

■ 35.8298, 0.3789,
0.4080

■ 37.5484, 0.3612,
0.3881

■ 39.3850, 0.3440,
0.3680

■ 41.3438, 0.3278,
0.3480

Harmonies

Analogous

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



27.6953, 0.5145, 0.3985



27.6953, 0.4619, 0.4714



27.6953, 0.3756, 0.5242

Triad

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



27.6953, 0.4619, 0.4714



27.6953, 0.1505, 0.2832



27.6953, 0.3184, 0.2114

Complementary

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



27.6953, 0.4619, 0.4714



4.4656, 0.1561, 0.0820

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.



27.6953, 0.2244, 0.1824



27.6953, 0.4619, 0.4714



27.6953, 0.1420, 0.2102

Square

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



27.6953, 0.4619, 0.4714



27.6953, 0.1966, 0.4001



27.6953, 0.1661, 0.1802



27.6953, 0.4287, 0.2627

Rectangle

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



27.6953, 0.4619, 0.4714



27.6953, 0.3110, 0.5229



27.6953, 0.1661, 0.1802



27.6953, 0.2836, 0.1990

Sweetspot

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



27.6967, 0.4619, 0.4714



67.9116, 0.3622, 0.3893



9.3739, 0.6019, 0.3090



14.4355, 0.3695, 0.3976



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.6967, 0.4619, 0.4714



49.8811, 0.4628, 0.4707



35.4980, 0.3703, 0.5442



9.5972, 0.3268, 0.3469



20.4031, 0.4614, 0.4718



0.7182, 0.4476, 0.4828

Inverse Universe

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



4.4656, 0.1561, 0.0820



7.8213, 0.1554, 0.0796



3.8141, 0.1685, 0.0703



8.5103, 0.2985, 0.3105



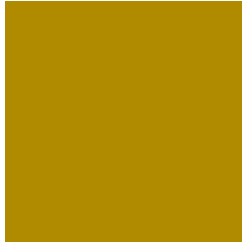
3.3427, 0.1565, 0.0834



0.1888, 0.1708, 0.1349

Previews

White Background



This preview shows how the Yxy color 27.6953, 0.4619, 0.4714 looks on a white background.

Color Contrast Check

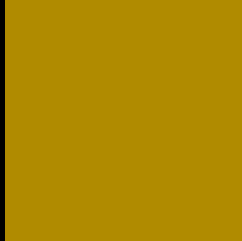
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6953, 0.4619, 0.4714 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 27.6953, 0.4619, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 27.6953, 0.4619, 0.4714.

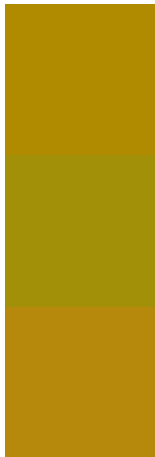


This preview shows how white text looks on a background with the Yxy color 27.6953, 0.4619, 0.4714.

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

27.6953, 0.4619, 0.4714

Protanopia

27.6454, 0.4386, 0.4866

Deuteranopia

27.5776, 0.4701, 0.4605



Tritanopia

27.6319, 0.3652, 0.3149

Trichromacy



Original Color

27.6953, 0.4619, 0.4714

Protanomaly

27.5724, 0.4472, 0.4810

Deuteranomaly

27.6100, 0.4675, 0.4642

Tritanomaly

27.1829, 0.4192, 0.3933

Monochromacy



Original Color

27.6953, 0.4619, 0.4714

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.6538, 0.3829, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6953, 0.4619, 0.4714 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(176, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 139, 0)  
}
```

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(176, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 139, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6953, 0.4619, 0.4714 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(176, 139, 0) }
```

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

```
.border{ border-color:rgb(176, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 139,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6953, 0.4619, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 139, 0) }
```

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

```
.background{ background-color: rgb(176,  
139, 0) }
```

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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