

Converting Colors

$Y_{xy}(26.7108, 0.4268, 0.4574)$

Have a look what the booklet for
Yxy(26.7108, 0.4268, 0.4574)
contains.

Yxy(26.6593, 0.4264, 0.4578)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.6593, 0.4264, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	A28C31
RGB	162, 140, 49
RGB Percent	64%, 55%, 19%
CMY	0.3648, 0.4509, 0.8078
CMYK	0.00, 0.14, 0.70, 0.36
HSL	48°, 54%, 41%
HSV	48°, 70%, 64%
XYZ	24.8308, 26.6593, 6.7434
YIQ	136.2040, 42.3230, -23.6370

Conversions

Conversions Part 2

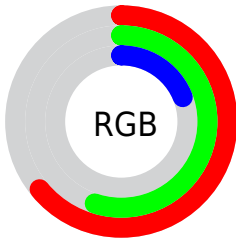
Format	Color
RYB	76, 162, 49
Decimal	10652721
CIELab	58.66, -2.17, 49.59
CIELCh	59, 49.638, 92.500
Yxy	26.6593, 0.4264, 0.4578
Android (android.graphics.Color)	4288842801 (0xFFA28C31)
YUV	136.2040, -42.9916, 22.6231
Hunter-Lab	51.6326, -4.5143, 28.3993

Details

The Yxy color **26.6593, 0.4264, 0.4578** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.7659, 0.1896, 0.1467**, and the grayscale version is **24.8540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2757, 0.4070, 0.4342**, and **10.4381, 0.4487, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **25.6397, 0.4394, 0.4675**, and if you desaturate by 10%, it is **27.7570, 0.4113, 0.4441**.

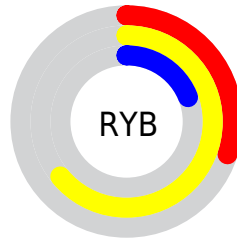
Distribution



Red (64%)

Green (55%)

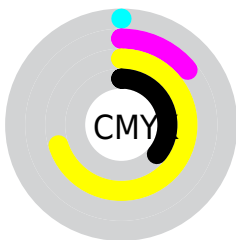
Blue (19%)



Red (30%)

Yellow (64%)

Blue (19%)

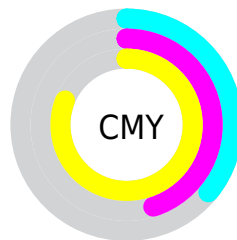


Cyan (0%)

Magenta (14%)

Yellow (70%)

Black (36%)



Cyan (36%)

Magenta (45%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6593, 0.4264, 0.4578 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 26.6593, 0.4264, 0.4578 by changing the saturation by 10% instead.

■ 26.6593, 0.4264,
0.4578

■ 26.6593, 0.4264,
0.4578

■ 286.0037, 0.3688,
0.3916

■ 17.3175, 0.4390,
0.4729

■ 54.3367, 0.4062,
0.4343

■ 10.4611, 0.4531,
0.4901

■ 73.4410, 0.3983,
0.4252

■ 5.7058, 0.4788,
0.5212

■ 96.5684, 0.3915,
0.4174

■ 2.6670, 0.4764,
0.5236

■ 124.1031, 0.3857,
0.4107

■ 0.9605, 0.4719,
0.5281

■ 156.4296, 0.3806,
0.4050

■ 0.0000, 0.0000,
0.0000

■ 193.9323, 0.3762,

0.3999

236.9955, 0.3722,
0.3955

■ 26.6593, 0.4264,
0.4578

■ 26.6593, 0.4264,
0.4578

■ 25.6397, 0.4394,
0.4675

■ 27.7570, 0.4113,
0.4441

■ 24.6885, 0.4497,
0.4729

■ 28.9339, 0.3948,
0.4274

■ 23.7944, 0.4578,
0.4745

■ 30.1957, 0.3775,
0.4085

■ 23.7721, 0.4580,
0.4745

■ 31.5463, 0.3602,
0.3885

■ 32.9895, 0.3434,
0.3681

■ 34.5285, 0.3273,
0.3479

■ 36.1667, 0.3123,
0.3285

■ 37.9069, 0.2985,
0.3101

■ 39.7522, 0.2859,
0.2930

Harmonies

Analogous

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



26.6593, 0.4714, 0.4035



26.6593, 0.4264, 0.4578



26.6593, 0.3546, 0.4836

Triad

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



26.6593, 0.4264, 0.4578



26.6593, 0.1767, 0.2824



26.6593, 0.3343, 0.2394

Complementary

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



26.6593, 0.4264, 0.4578



7.7659, 0.1896, 0.1467

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.



26.6593, 0.2546, 0.2109



26.6593, 0.4264, 0.4578



26.6593, 0.1733, 0.2276

Square

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



26.6593, 0.4264, 0.4578



26.6593, 0.2115, 0.3676



26.6593, 0.1994, 0.2056



26.6593, 0.4179, 0.2861

Rectangle

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



26.6593, 0.4264, 0.4578



26.6593, 0.3016, 0.4694



26.6593, 0.1994, 0.2056



26.6593, 0.3059, 0.2276

Sweetspot

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



26.6606, 0.4264, 0.4578



59.4565, 0.3461, 0.3714



10.3400, 0.4951, 0.2984



13.1975, 0.3505, 0.3768



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.



26.6606, 0.4264, 0.4578



45.5304, 0.4458, 0.4712



30.6538, 0.3689, 0.5051



8.0020, 0.3266, 0.3470



18.7919, 0.4576, 0.4749



0.4515, 0.4415, 0.4876

Inverse Universe

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



7.7659, 0.1896, 0.1467



9.2622, 0.1678, 0.1066



6.6400, 0.2122, 0.1260



7.0727, 0.2987, 0.3104



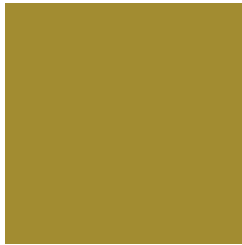
2.8987, 0.1559, 0.0813



0.1186, 0.1723, 0.1403

Previews

White Background



This preview shows how the Yxy color 26.6593, 0.4264, 0.4578 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 26.6593, 0.4264, 0.4578 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 26.6593, 0.4264, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 26.6593, 0.4264, 0.4578.



This preview shows how white text looks on a background with the Yxy color 26.6593, 0.4264, 0.4578.

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

26.6593, 0.4264, 0.4578

Protanopia

26.5406, 0.4207, 0.4618

Deuteranopia

26.5193, 0.4477, 0.4393



Tritanopia

26.5907, 0.3459, 0.3141

Trichromacy



Original Color

26.6593, 0.4264, 0.4578

Protanomaly

26.6424, 0.4219, 0.4611

Deuteranomaly

26.4965, 0.4405, 0.4459

Tritanomaly

26.2399, 0.3795, 0.3694

Monochromacy



Original Color

26.6593, 0.4264, 0.4578

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.9105, 0.3573, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6593, 0.4264, 0.4578 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 $\text{rgb}(162, 140, 49)$ looks like.

```
.text, #text, p{  
    color:rgb(162, 140, 49)  
}
```

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(162, 140, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 140, 49) }
```

Border

The CSS property to change the border of an element to Yxy 26.6593, 0.4264, 0.4578 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(162, 140, 49) }
```

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

```
.border{ border-color:rgb(162, 140, 49) }
```

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

Here you see how a box with a 4 pixel rgb(162, 140, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 140, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 140, 49);  
box-shadow:4px 4px 4px 4px rgb(162, 140,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6593, 0.4264, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 140, 49) }
```

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

```
.background{ background-color: rgb(162,  
140, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor