

Converting Colors

$Y_{xy}(25.7133, 0.4180, 0.4429)$

Have a look what the booklet for
Yxy(25.7133, 0.4180, 0.4429)
contains.

Yxy(25.7018, 0.4181, 0.4425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7018, 0.4181, 0.4425)

Conversions

Conversions Part 1

Format	Color
Hex	A0893D
RGB	160, 137, 61
RGB Percent	63%, 54%, 24%
CMY	0.3726, 0.4627, 0.7608
CMYK	0.00, 0.14, 0.62, 0.37
HSL	46°, 45%, 43%
HSV	46°, 62%, 63%
XYZ	24.2846, 25.7018, 8.0968
YIQ	135.2130, 38.1040, -18.7600

Conversions

Conversions Part 2

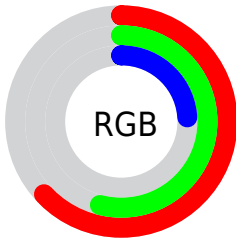
Format	Color
R_{YB}	91, 160, 61
Decimal	10520893
CIE Lab	57.75, -0.63, 43.06
CIE LCh	58, 43.061, 90.834
Yxy	25.7018, 0.4181, 0.4425
Android (android.graphics.Color)	4288710973 (0xFFA0893D)
YUV	135.2130, -36.5870, 21.7382
Hunter-Lab	50.6969, -3.2156, 26.0187

Details

The Yxy color **25.7018, 0.4181, 0.4425** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.8705, 0.2048, 0.1767**, and the grayscale version is **24.4404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7263, 0.3985, 0.4211**, and **9.8981, 0.4487, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **24.5172, 0.4341, 0.4549**, and if you desaturate by 10%, it is **26.9767, 0.4007, 0.4269**.

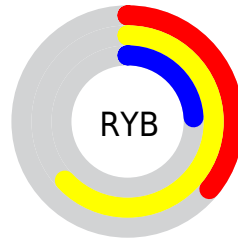
Distribution



Red (63%)

Green (54%)

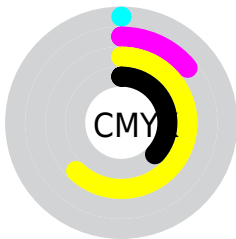
Blue (24%)



Red (36%)

Yellow (63%)

Blue (24%)

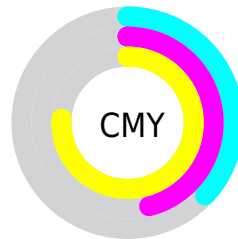


Cyan (0%)

Magenta (14%)

Yellow (62%)

Black (37%)



Cyan (37%)


Magenta (46%)


Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7018, 0.4181, 0.4425 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 25.7018, 0.4181, 0.4425 by changing the saturation by 10% instead.


 25.7018, 0.4181,
0.4425


 25.7018, 0.4181,
0.4425


281.3152, 0.3631,
0.3830


 16.6007, 0.4312,
0.4568


 52.7935, 0.3982,
0.4209


 9.9502, 0.4468,
0.4740


 71.5528, 0.3906,
0.4127

 5.3660, 0.4697,
0.4991

 94.3004, 0.3842,
0.4058


 2.4635, 0.4841,
0.5159

 121.4206, 0.3787,
0.3999

 0.8583, 0.4826,
0.5174

 153.2977, 0.3740,
0.3948

 0.0000, 0.0000,
0.0000

 190.3163, 0.3699,

0.3903

232.8606, 0.3663,
0.3865

■ 25.7018, 0.4181,
0.4425

■ 25.7018, 0.4181,
0.4425

■ 24.5172, 0.4341,
0.4549

■ 26.9767, 0.4007,
0.4269

■ 23.4140, 0.4480,
0.4632

■ 28.3428, 0.3826,
0.4091

■ 22.3877, 0.4591,
0.4670

■ 29.8052, 0.3647,
0.3900

■ 21.5985, 0.4667,
0.4676

■ 31.3678, 0.3472,
0.3704

■ 33.0341, 0.3308,
0.3511

■ 34.8073, 0.3154,
0.3324

■ 36.6905, 0.3014,
0.3147

■ 38.6867, 0.2886,
0.2981

■ 40.7987, 0.2770,
0.2827

Harmonies

Analogous

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



25.7018, 0.4548, 0.3950



25.7018, 0.4181, 0.4425



25.7018, 0.3555, 0.4642

Triad

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



25.7018, 0.4181, 0.4425



25.7018, 0.1920, 0.2928



25.7018, 0.3281, 0.2469

Complementary

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



25.7018, 0.4181, 0.4425



9.8705, 0.2048, 0.1767

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.



25.7018, 0.2581, 0.2220



25.7018, 0.4181, 0.4425



25.7018, 0.1869, 0.2414

Square

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



25.7018, 0.4181, 0.4425



25.7018, 0.2259, 0.3678



25.7018, 0.2093, 0.2189



25.7018, 0.4016, 0.2887

Rectangle

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



25.7018, 0.4181, 0.4425



25.7018, 0.3083, 0.4524



25.7018, 0.2093, 0.2189



25.7018, 0.3032, 0.2364

Sweetspot

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



25.7030, 0.4181, 0.4425



57.6983, 0.3430, 0.3655



11.4532, 0.4567, 0.2944



12.4799, 0.3476, 0.3708



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.



25.7030, 0.4181, 0.4425



43.7897, 0.4393, 0.4584



30.5122, 0.3692, 0.4860



7.4590, 0.3266, 0.3461



16.8952, 0.4662, 0.4680



0.3609, 0.4443, 0.4854

Inverse Universe

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



9.8705, 0.2048, 0.1767



12.7662, 0.1830, 0.1396



7.9221, 0.2217, 0.1465



6.6729, 0.2988, 0.3113



3.0740, 0.1579, 0.0884



0.1125, 0.1769, 0.1567

Previews

White Background



This preview shows how the Yxy color 25.7018, 0.4181, 0.4425 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 25.7018, 0.4181, 0.4425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

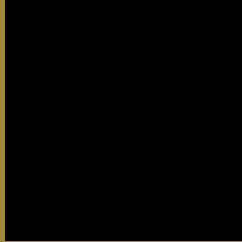
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7018, 0.4181, 0.4425

Background



This preview shows how black text looks on a background with the Yxy color 25.7018, 0.4181, 0.4425.

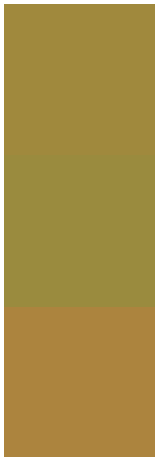


This preview shows how white text looks on a background with the Yxy color 25.7018, 0.4181, 0.4425.

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

25.7018, 0.4181, 0.4425

Protanopia

25.6831, 0.4082, 0.4475

Deuteranopia

25.6210, 0.4364, 0.4279



Tritanopia

25.7801, 0.3464, 0.3139

Trichromacy



Original Color

25.7018, 0.4181, 0.4425

Protanomaly

25.5927, 0.4115, 0.4450

Deuteranomaly

25.7228, 0.4297, 0.4327

Tritanomaly

25.5427, 0.3746, 0.3621

Monochromacy



Original Color

25.7018, 0.4181, 0.4425

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.6203, 0.3521, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7018, 0.4181, 0.4425 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(160, 137, 61)` looks like.

```
.text, #text, p{  
    color:rgb(160, 137, 61)  
}
```

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(160, 137, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 137, 61) }
```

Border

The CSS property to change the border of an element to Yxy 25.7018, 0.4181, 0.4425 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(160, 137, 61) }
```

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

```
.border{ border-color:rgb(160, 137, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 137, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 137, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 137, 61);  
box-shadow:4px 4px 4px 4px rgb(160, 137,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7018, 0.4181, 0.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 137, 61) }
```

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

```
.background{ background-color: rgb(160,  
137, 61) }
```

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