

Converting Colors

$Y_{xy}(29.4413, 0.3434, 0.4434)$

Have a look what the booklet for
Yxy(29.4413, 0.3434, 0.4434)
contains.

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Color

Yxy(29.4413, 0.3434, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	809D5A
RGB	128, 157, 90
RGB Percent	50%, 62%, 35%
CMY	0.4982, 0.3843, 0.6470
CMYK	0.18, 0.00, 0.43, 0.38
HSL	86°, 27%, 48%
HSV	86°, 43%, 62%
XYZ	22.8014, 29.4413, 14.1563
YIQ	140.6910, 4.2230, -26.9850

Conversions

Conversions Part 2

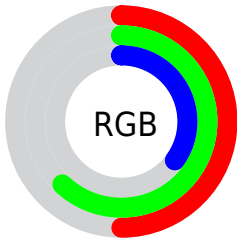
Format	Color
R_{YB}	90, 157, 119
Decimal	8428890
CIE _{Lab}	61.17, -21.95, 31.73
CIE _{LCh}	61, 38.581, 124.670
Yxy	29.4413, 0.3434, 0.4434
Android (android.graphics.Color)	4286618970 (0xFF809D5A)
YUV	140.6910, -24.9907, -11.1300
Hunter-Lab	54.2598, -19.9443, 22.5133

Details

The Yxy color $29.4413, 0.3434, 0.4434$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.6749, 0.2685, 0.2115$, and the grayscale version is $26.6059, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9551, 0.3387, 0.4191$, and $12.0530, 0.3488, 0.4870$ is the 20% darker color. If you saturate the color by 10%, you get $28.6928, 0.3486, 0.4715$, and if you desaturate by 10%, it is $30.2843, 0.3370, 0.4149$.

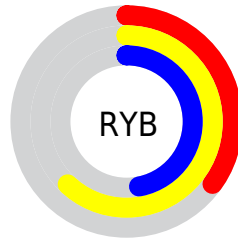
Distribution



Red (50%)

Green (62%)

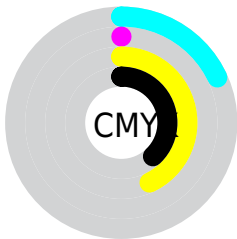
Blue (35%)



Red (35%)

Yellow (62%)

Blue (47%)

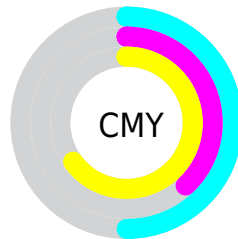


Cyan (18%)

Magenta (0%)

Yellow (43%)

Black (38%)



Cyan (50%)


Magenta (38%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4413, 0.3434, 0.4434 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 29.4413, 0.3434, 0.4434 by changing the saturation by 10% instead.


 29.4413, 0.3434,
0.4434


 29.4413, 0.3434,
0.4434


299.2915, 0.3289,
0.3797

 19.4149, 0.3462,
0.4615


 58.7775, 0.3386,
0.4186


 11.9705, 0.3491,
0.4859


 78.8561, 0.3366,
0.4098

 6.7236, 0.3511,
0.5204


 103.0542, 0.3349,
0.4026

 3.2898, 0.3568,
0.5840

 131.7562, 0.3334,
0.3965

 1.2849, 0.3323,
0.6677

165.3466, 0.3321,
0.3914

 0.1294, 0.0000,
1.0000

204.2097, 0.3309,

 0.0000, 0.0000,

0.3869

0.0000

248.7298, 0.3299,
0.3831

■ 29.4413, 0.3434,
0.4434

■ 29.4413, 0.3434,
0.4434

■ 28.6928, 0.3486,
0.4715

■ 30.2843, 0.3370,
0.4149

■ 28.0306, 0.3521,
0.4978

■ 31.2218, 0.3299,
0.3870

■ 27.4512, 0.3536,
0.5212


■ 32.2589, 0.3224,
0.3603

■ 26.9495, 0.3529,
0.5404


■ 33.3989, 0.3147,
0.3353


■ 26.5192, 0.3499,
0.5546

■ 34.6451, 0.3072,
0.3124

 26.2388, 0.3469,
0.5628

 36.0007, 0.3000,
0.2915

 37.4685, 0.2931,
0.2726

 39.0515, 0.2866,
0.2556

 40.7523, 0.2806,
0.2404

Harmonies

Analogous

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



29.4413, 0.3990, 0.4319



29.4413, 0.3434, 0.4434



29.4413, 0.2825, 0.4143

Triad

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



29.4413, 0.3434, 0.4434



29.4413, 0.2037, 0.2497



29.4413, 0.3959, 0.3000

Complementary

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



29.4413, 0.3434, 0.4434



13.6749, 0.2685, 0.2115

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.



29.4413, 0.3348, 0.2612



29.4413, 0.3434, 0.4434



29.4413, 0.2269, 0.2320

Square

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



29.4413, 0.3434, 0.4434



29.4413, 0.2054, 0.2920



29.4413, 0.2728, 0.2370



29.4413, 0.4333, 0.3468

Rectangle

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



29.4413, 0.3434, 0.4434



29.4413, 0.2472, 0.3758



29.4413, 0.2728, 0.2370



29.4413, 0.3771, 0.2858

Sweetspot

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



29.4426, 0.3434, 0.4434



57.6517, 0.3228, 0.3618



21.1119, 0.3989, 0.3767



12.5984, 0.3244, 0.3672



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.4426, 0.3434, 0.4434



51.4660, 0.3483, 0.4696



27.2609, 0.3106, 0.4559



7.5771, 0.3198, 0.3515



21.3299, 0.3474, 0.5624



0.4061, 0.3765, 0.5392

Inverse Universe

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



13.6749, 0.2685, 0.2115



19.4913, 0.2558, 0.1837



16.4771, 0.3116, 0.2252



6.5688, 0.3052, 0.3063



2.9980, 0.1921, 0.0832



0.0781, 0.2384, 0.1087

Previews

White Background



This preview shows how the Yxy color 29.4413, 0.3434, 0.4434 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 29.4413, 0.3434, 0.4434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

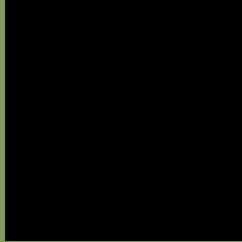
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4413, 0.3434, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 29.4413, 0.3434, 0.4434.



This preview shows how white text looks on a background with the Yxy color 29.4413, 0.3434, 0.4434.

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

29.4413, 0.3434, 0.4434

Protanopia

29.1164, 0.3889, 0.4224

Deuteranopia

29.3229, 0.4047, 0.3968



Tritanopia

29.4714, 0.2909, 0.3100

Trichromacy



Original Color

29.4413, 0.3434, 0.4434

Protanomaly

29.2109, 0.3718, 0.4313

Deuteranomaly

29.1313, 0.3811, 0.4126

Tritanomaly

29.2741, 0.3104, 0.3573

Monochromacy



Original Color

29.4413, 0.3434, 0.4434

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.5068, 0.3254, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4413, 0.3434, 0.4434 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(128, 157, 90)` looks like.

```
.text, #text, p{  
    color:rgb(128, 157, 90)  
}
```

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(128, 157, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 90) }
```

Border

The CSS property to change the border of an element to Yxy 29.4413, 0.3434, 0.4434 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(128, 157, 90) }
```

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

```
.border{ border-color:rgb(128, 157, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 157, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 157, 90); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 157, 90); box-shadow:4px 4px 4px 4px rgb(128, 157, 90) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4413, 0.3434, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 157, 90) }
```

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

```
.background{ background-color: rgb(128,  
157, 90) }
```

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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