

# Converting Colors

XYZ(24.1422, 30.4173, 18.3394)

Have a look what the booklet for  
XYZ(24.1422, 30.4173, 18.3394)  
contains.

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# Color

**XYZ(24.0343, 30.2402,  
18.2059)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	829E6A
RGB	130, 158, 106
RGB Percent	51%, 62%, 42%
CMY	0.4902, 0.3804, 0.5843
CMYK	0.18, 0.00, 0.33, 0.38
HSL	92°, 21%, 52%
HSV	92°, 33%, 62%
XYZ	24.0343, 30.2402, 18.2059
YIQ	143.7000, 0.0040, -22.1080

# Conversions

## Conversions Part 2

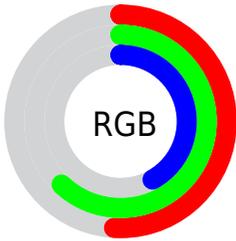
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 158, 134
Decimal	8560234
CIELab	61.86, -19.43, 24.06
CIElCh	62, 30.924, 128.919
Yxy	30.2402, 0.3316, 0.4172
Android (android.graphics.Color)	4286750314 (0xFF829E6A)
YUV	143.7000, -18.5861, -12.0149
Hunter-Lab	54.9911, -18.2195, 18.8646

# Details

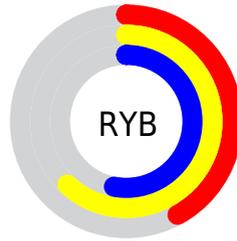
The XYZ color **24.0343, 30.2402, 18.2059** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.1585, 17.8460, 34.6789**, and the grayscale version is **26.4616, 27.8397, 30.3174**.

A 20% lighter version of the original color is **49.7330, 60.2475, 41.3555**, and **9.3297, 12.5264, 5.9291** is the 20% darker color. If you saturate the color by 10%, you get **22.0358, 29.2972, 14.2114**, and if you desaturate by 10%, it is **26.2937, 31.3021, 23.0042**.

# Distribution



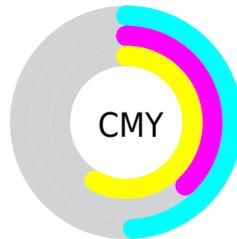
- Red (51%)
- Green (62%)
- Blue (42%)



- Red (42%)
- Yellow (62%)
- Blue (53%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (38%)



- Cyan (49%)
- Magenta (38%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0343, 30.2402, 18.2059 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 XYZ color 24.0343, 30.2402, 18.2059 by changing the saturation by 10% instead.

■ 24.0343, 30.2402,  
18.2059

■ 24.0343, 30.2402,  
18.2059

265.4311,  
303.0225, 254.3040

■ 15.4839, 20.0210,  
10.9269

■ 49.5404, 60.0418,  
41.2065

■ 9.2482, 12.4103,  
5.9042

■ 67.2269, 80.3930,  
57.7653

■ 4.9619, 7.0238,  
2.7191

■ 88.6895, 104.8904,  
78.2544

■ 2.2594, 3.4770,  
0.9530

■ 114.2935,  
133.9182, 103.0924

■ 0.7738, 1.3855,  
0.0000

144.4043,  
167.8609, 132.6978

■ 0.0000, 0.2060,  
0.0000

179.3873,

■ 0.0000, 0.0000,

207.1029, 167.4892

0.0000

219.6078,  
252.0287, 207.8851

■ 24.0343, 30.2402,  
18.2059

■ 24.0343, 30.2402,  
18.2059

■ 22.0358, 29.2972,  
14.2114

■ 26.2937, 31.3021,  
23.0042

■ 20.2849, 28.4644,  
10.9747

■ 28.8220, 32.4832,  
28.6449

■ 18.7707, 27.7382,  
8.4482

■ 31.6294, 33.7890,  
35.1666

■ 17.4801, 27.1129,  
6.5783

■ 34.7251, 35.2235,  
42.6048

■ 16.3986, 26.5825,  
5.3035

■ 38.1177, 36.7903,  
50.9932

 15.5092, 26.1397,  
4.5507

 41.8154, 38.4929,  
60.3635

 14.9689, 25.8683,  
4.2041

 45.8262, 40.3349,  
70.7463

 50.1576, 42.3195,  
82.1706

 54.8171, 44.4498,  
94.6644

# Harmonies

## Analogous

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



27.5280, 30.2402, 15.1745



24.0343, 30.2402, 18.2059



21.9479, 30.2402, 25.4013

# Triad

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



24.0343, 30.2402, 18.2059



25.9783, 30.2402, 59.0491



37.3279, 30.2402, 29.5230

# Complementary

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



24.0343, 30.2402, 18.2059



21.1585, 17.8460, 34.6789

# 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.



36.8117, 30.2402, 41.8079



24.0343, 30.2402, 18.2059



29.9920, 30.2402, 60.9101

# Square

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



24.0343, 30.2402, 18.2059



22.9933, 30.2402, 49.3902



34.0284, 30.2402, 53.9931



35.3779, 30.2402, 20.6002

# Rectangle

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



24.0343, 30.2402, 18.2059



21.5078, 30.2402, 32.4991



34.0284, 30.2402, 53.9931



37.4407, 30.2402, 33.3575

# Sweetspot

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



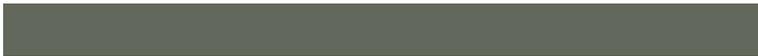
24.0351, 30.2415, 18.2066



53.6719, 59.6077, 55.0725



25.1916, 25.2875, 17.1894



11.9526, 13.3697, 12.0768



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



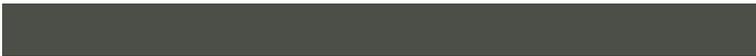
24.0351, 30.2415, 18.2066



41.1088, 53.7187, 27.9392



20.8643, 28.5964, 18.5336



6.8271, 7.5435, 7.0819



12.0325, 20.7397, 3.3690



0.2635, 0.3957, 0.0625



# Inverse Universe

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



21.1585, 17.8460, 34.6789



35.1106, 27.8801, 62.2743



25.2792, 19.9874, 34.0983



6.6088, 6.6023, 8.3327



7.9952, 3.5507, 26.1712

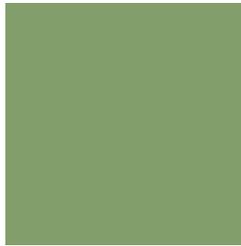


0.1915, 0.0885, 0.4702



# Previews

## White Background



This preview shows how the XYZ color 24.0343, 30.2402, 18.2059 looks on a white background.

## Color Contrast Check

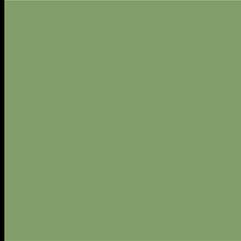
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 24.0343, 30.2402, 18.2059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

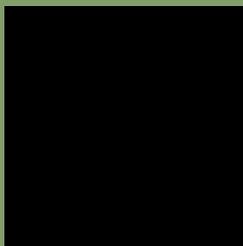
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.0343, 30.2402, 18.2059**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.0343, 30.2402, 18.2059.



This preview shows how white text looks on a background with the XYZ color 24.0343, 30.2402,



# 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

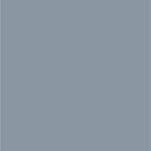
24.0343, 30.2402, 18.2059

### Protanopia

27.8437, 30.0313, 16.8995

### Deuteranopia

30.4873, 29.9792, 18.6477



## Tritanopia

28.1587, 30.1808, 38.9917

# Trichromacy



## Original Color

24.0343, 30.2402, 18.2059

## Protanomaly

26.2541, 29.9198, 17.2233

## Deuteranomaly

27.5948, 29.6334, 18.4528

## Tritanomaly

26.4298, 30.2151, 30.0303

# Monochromacy



## Original Color

24.0343, 30.2402, 18.2059

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

25.4242, 28.5956, 25.2986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.0343, 30.2402, 18.2059 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(130, 158, 106)` looks like.

```
.text, #text, p{  
    color:rgb(130, 158, 106)  
}
```

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(130, 158, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 158, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 24.0343, 30.2402, 18.2059 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(130, 158, 106) }
```

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

```
.border{ border-color:rgb(130, 158, 106) }
```

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

Here you see how a box with a 4 pixel rgb(130, 158, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 158, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 158, 106);  
box-shadow:4px 4px 4px 4px rgb(130, 158,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.0343, 30.2402, 18.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 158, 106) }
```

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

```
.background{ background-color: rgb(130,  
158, 106) }
```

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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