

# Converting Colors

Hex(648D24)

Have a look what the booklet for  
Hex(648D24) contains.

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**Color**

**Hex(648D24)**

# Conversions

## Conversions Part 1

Format	Color
Hex	648D24
RGB	100, 141, 36
RGB Percent	39%, 55%, 14%
CMY	0.6078, 0.4471, 0.8588
CMYK	0.29, 0.00, 0.74, 0.45
HSL	83°, 59%, 35%
HSV	83°, 74%, 55%
XYZ	15.0988, 21.8865, 5.0978
YIQ	116.7710, 9.2690, -41.3470

# Conversions

## Conversions Part 2

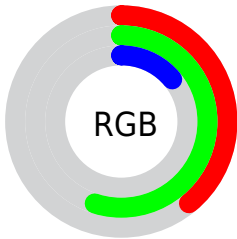
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 141, 77
Decimal	6589732
CIELab	53.91, -30.53, 48.44
CIELCh	54, 57.260, 122.217
Yxy	21.8865, 0.3588, 0.5201
Android (android.graphics.Color)	4284779812 (0xFF648D24)
YUV	116.7710, -39.8201, -14.7082
Hunter-Lab	46.7830, -24.2607, 26.2874

# Details

The Hex color **648D24** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4D248D**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **9AC358**, and **305A00** is the 20% darker color. If you saturate the color by 10%, you get **5E8D16**, and if you desaturate by 10%, it is **6A8D32**.

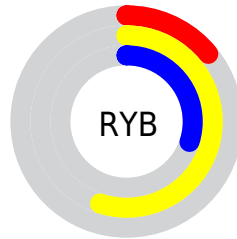
# Distribution



Red (39%)

Green (55%)

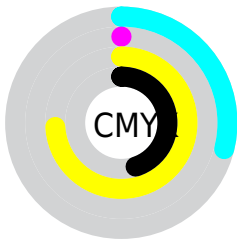
Blue (14%)



Red (14%)

Yellow (55%)

Blue (30%)

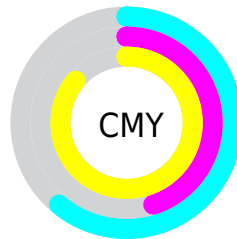


Cyan (29%)

Magenta (0%)

Yellow (74%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 648D24 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 Hex color 648D24 by changing the saturation by 10% instead.





648D24



648D24

FFFFFF



4A7302



9AC358



305A00



B6DF72



144300



D2FC8D



002C00



EFFFA8



001600



FFFFC4



000000



FFFFE1

FFFFFFE



648D24



648D24

■ 5E8D16

■ 6A8D32

■ 598D08

■ 6F8D40

■ 568D00

■ 758D4E

■ 7A8D5C

■ 808D6B

■ 858D79

■ 8B8D87

■ 908D95

■ 968DA3

# Harmonies

## Analogous

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



96800B



648D24



009550

# Triad

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



648D24



0092D8



D8507F

# Complementary

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



648D24



4D248D

# 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.



BF5CB0



648D24



0085E4

# Square

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



648D24



0097B4



8672D5



D5594F

# Rectangle

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



648D24



009772



8672D5



D35290



# Sweetspot

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



648D24



A8B88F



8D4C24



525C44



DBDBDB



5C5C5C



# Same Dimension

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



648D24



78B814



308D24



454740



528700



050800



# Inverse Universe

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



4D248D



5414B8



81248D



434047



350087



030008



# Previews

## White Background



This preview shows how the Hex color 648D24 looks on a white background.

## Color Contrast Check

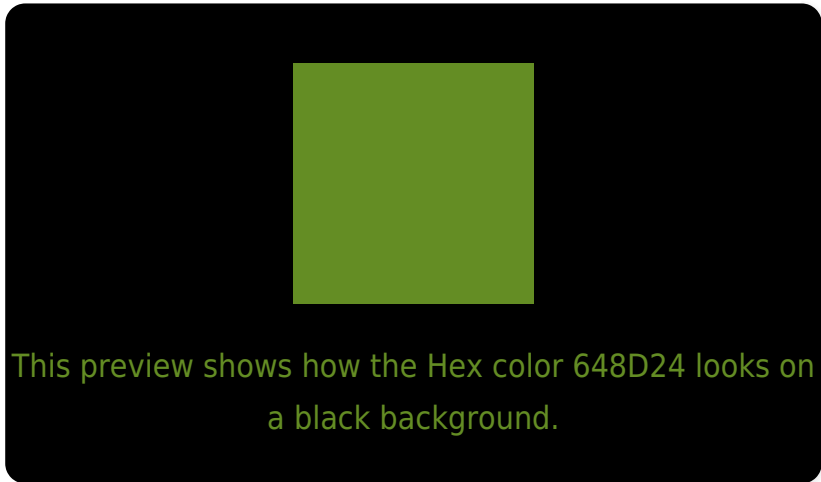
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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](#).



## Hex 648D24 Background



This preview shows how black text looks on a background with the Hex color 648D24.



This preview shows how white text looks on a background with the Hex color 648D24.

# 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**  
648D24

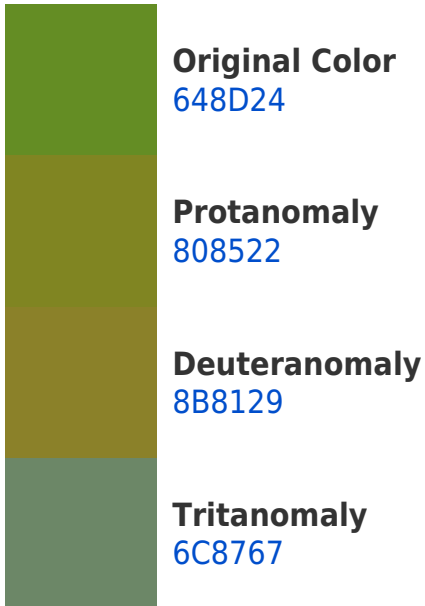
**Protanopia**  
908121

**Deuteranopia**  
A17A2C

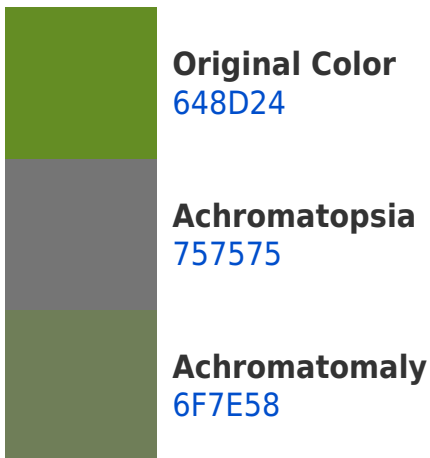


**Tritanopia**  
71838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 648D24 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 #648D24 looks like.

```
.text, #text, p{  
    color:#648D24  
}
```

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 #648D24 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #648D24
}
```

## Border

The CSS property to change the border of an element to Hex 648D24 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
#648D24 }
```

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

```
.border{ border-color:#648D24 }
```

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

Here you see how a box with a 4 pixel #648D24 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #648D24; -webkit-box-shadow:4px 4px  
4px 4px #648D24; box-shadow:4px 4px 4px  
4px #648D24 }
```

# Background

The CSS property to change the background color of an element to Hex 648D24 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#648D24 }
```

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

```
.background{ background-color:#648D24 }
```

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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