

# Converting Colors

Hex(642F56)

Have a look what the booklet for  
Hex(642F56) contains.

<b>Hex(642F56)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(642F56)**

# Conversions

## Conversions Part 1

Format	Color
Hex	642F56
RGB	100, 47, 86
RGB Percent	39%, 18%, 34%
CMY	0.6078, 0.8157, 0.6627
CMYK	0.00, 0.53, 0.14, 0.61
HSL	316°, 36%, 29%
HSV	316°, 53%, 39%
XYZ	7.9518, 5.4142, 9.4300
YIQ	67.2930, 19.0690, 23.3650

# Conversions

## Conversions Part 2

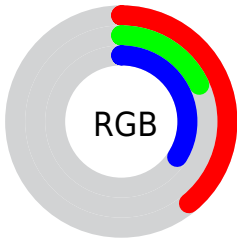
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 47, 86
Decimal	6565718
CIE <sub>Lab</sub>	27.88, 29.53, -12.83
CIE <sub>LCh</sub>	28, 32.192, 336.521
Yxy	5.4142, 0.3488, 0.2375
Android (android.graphics.Color)	4284755798 (0xFF642F56)
YUV	67.2930, 9.2226, 28.6840
Hunter-Lab	23.2685, 20.2805, -7.7405

# Details

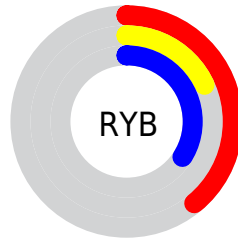
The Hex color **642F56** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **2F643D**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **985F88**, and **330029** is the 20% darker color. If you saturate the color by 10%, you get **642553**, and if you desaturate by 10%, it is **643959**.

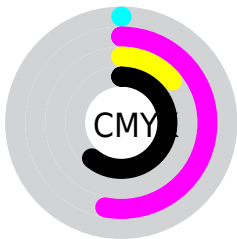
# Distribution



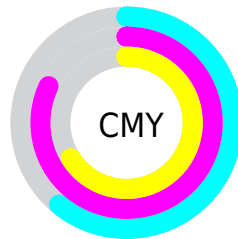
- Red (39%)
- Green (18%)
- Blue (34%)



- Red (39%)
- Yellow (18%)
- Blue (34%)



- Cyan (0%)
- Magenta (53%)
- Yellow (14%)
- Black (61%)



- Cyan (61%)
- Magenta (82%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 642F56 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 642F56 by changing the saturation by 10% instead.



642F56

642F56

FFFFFF

4B183F

985F88

330029

B479A2

1E0014

D093BD

000000

ECAED9

FFC9F5

FFE6FF

642F56

642F56

642553

643959

641B51

64435B

64114E

644D5E

64074B

645761

64004A

646163

646B66

647568

647F6B

64896E

# Harmonies

## Analogous

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



4A396A



642F56



6F2B3D

# Triad

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



642F56



4A420C



004D5F

# Complementary

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



642F56



2F643D

# 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.



004E47



642F56



304917

# Square

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



642F56



5E3913



014C2D



004A6F

# Rectangle

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



642F56



6E2D2D



014C2D



004E57



# Sweetspot

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



642F56



826D7D



3C2F64



42363F



C2C2C2



424242



# Same Dimension

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



642F56



822F6C



642F3C



332E32



730054



F200B2



# Inverse Universe

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



642F56



822F6C



2F6457



332E32



730054

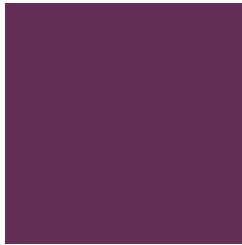


F200B2



# Previews

## White Background



This preview shows how the Hex color 642F56 looks on a white background.

## Color Contrast Check

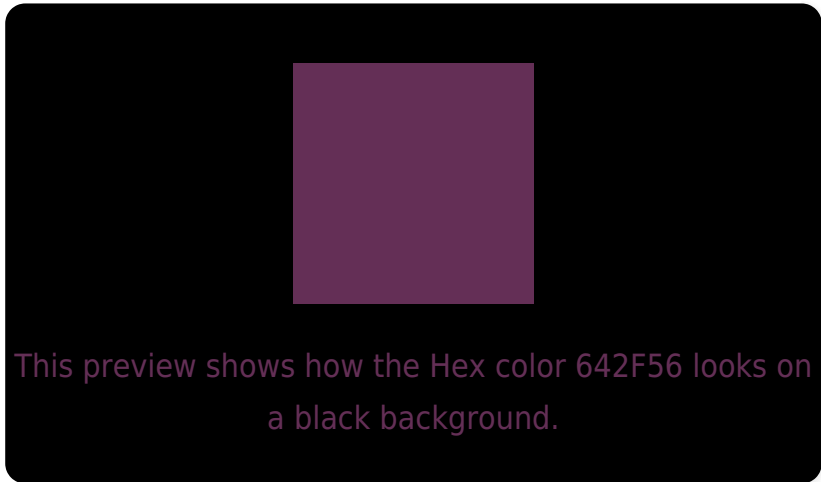
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

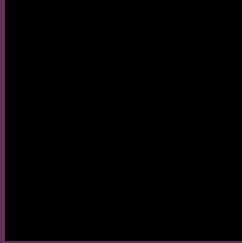
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 642F56 Background



This preview shows how black text looks on a background with the Hex color 642F56.

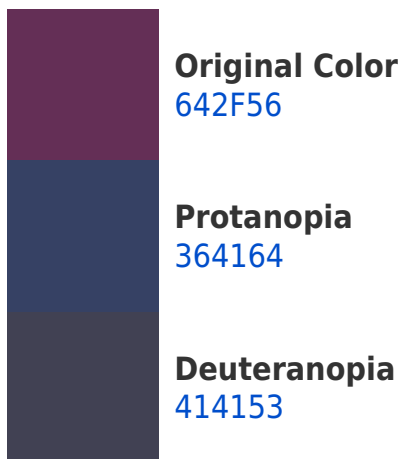



This preview shows how white text looks on a background with the Hex color 642F56.

# 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





**Tritanopia**  
613639

# Trichromacy



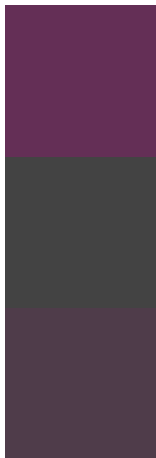
**Original Color**  
642F56

**Protanomaly**  
473A5F

**Deuteranomaly**  
4E3A54

**Tritanomaly**  
623344

# Monochromacy



**Original Color**  
642F56

**Achromatopsia**  
434343

**Achromatomaly**  
4F3C4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 642F56 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 #642F56 looks like.

```
.text, #text, p{  
    color:#642F56  
}
```

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 #642F56 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #642F56
}
```

## Border

The CSS property to change the border of an element to Hex 642F56 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".

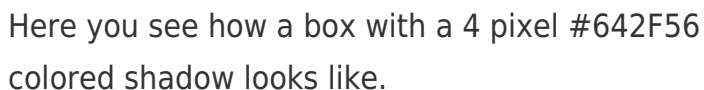
```
.border, #border, table{ border:4px solid
#642F56 }
```

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

```
.border{ border-color:#642F56 }
```

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

Here you see how a box with a 4 pixel #642F56 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #642F56; -webkit-box-shadow:4px 4px  
4px 4px #642F56; box-shadow:4px 4px 4px  
4px #642F56 }
```

# Background

The CSS property to change the background color of an element to Hex 642F56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#642F56 }
```

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

```
.background{ background-color:#642F56 }
```

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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