

Converting Colors

Hex(28712D)

Have a look what the booklet for
Hex(28712D) contains.

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Color

Hex(28712D)

Conversions

Conversions Part 1

Format	Color
Hex	28712D
RGB	40, 113, 45
RGB Percent	16%, 44%, 18%
CMY	0.8431, 0.5569, 0.8235
CMYK	0.65, 0.00, 0.60, 0.56
HSL	124°, 48%, 30%
HSV	124°, 65%, 44%
XYZ	7.2539, 12.4508, 4.5036
YIQ	83.4210, -21.6800, -36.6240

Conversions

Conversions Part 2

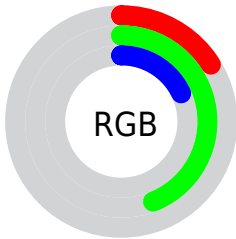
Format	Color
RYB	40, 108, 113
Decimal	2650413
CIELab	41.92, -37.59, 30.70
CIElCh	42, 48.531, 140.755
Yxy	12.4508, 0.2996, 0.5143
Android (android.graphics.Color)	4280840493 (0xFF28712D)
YUV	83.4210, -18.9416, -38.0802
Hunter-Lab	35.2857, -25.0550, 17.1328




Details

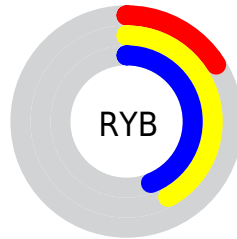
The Hex color **28712D** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **71286C**, and the grayscale version is **545454**.




A 20% lighter version of the original color is **5EA65D**, and **004000** is the 20% darker color. If you saturate the color by 10%, you get **1D7122**, and if you desaturate by 10%, it is **337138**.

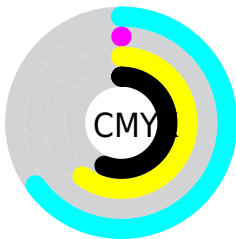
Distribution







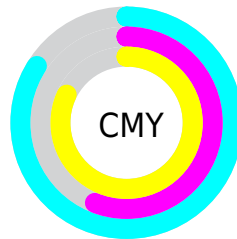
-  Red (16%)
-  Green (44%)
-  Blue (18%)






-  Red (16%)
-  Yellow (42%)
-  Blue (44%)



-  Cyan (65%)
-  Magenta (0%)
-  Yellow (60%)
-  Black (56%)



-  Cyan (84%)
-  Magenta (56%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 28712D 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 28712D by changing the saturation by 10% instead.

 28712D

 28712D

FFFFFF

 035816

 5EA65D

 004000

 79C176

 002A00

 94DD90

 000D00

 B0FAAB

 000000

 CCFFC7

 E9FFE3

 28712D

 28712D

 1D7122

 337138

■ 117118

■ 3F7142

■ 06710D

■ 4A714D

■ 007108

■ 557157

■ 617162

■ 6C716C

■ 777177

■ 827181

■ 8E718C

Harmonies

Analogous

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



5C690B



28712D



007555

Triad

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



28712D



006BB2



AA3E49

Complementary

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



28712D



71286C

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.



A43D71



28712D



4A5EAE

Square

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



28712D



0073A0



874C96



9D4C25

Rectangle

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



28712D



007671



874C96



AB3B56

Sweetspot

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



28712D



78947A



6C7128



394A3A



C9C9C9



4A4A4A

Same Dimension

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



28712D



219428



287151



323833



007808



00F711

Inverse Universe

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



71286C



94218C



712848



383238



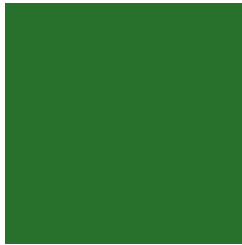
780070



F700E6

Previews

White Background



This preview shows how the Hex color 28712D looks on a white background.

Color Contrast Check

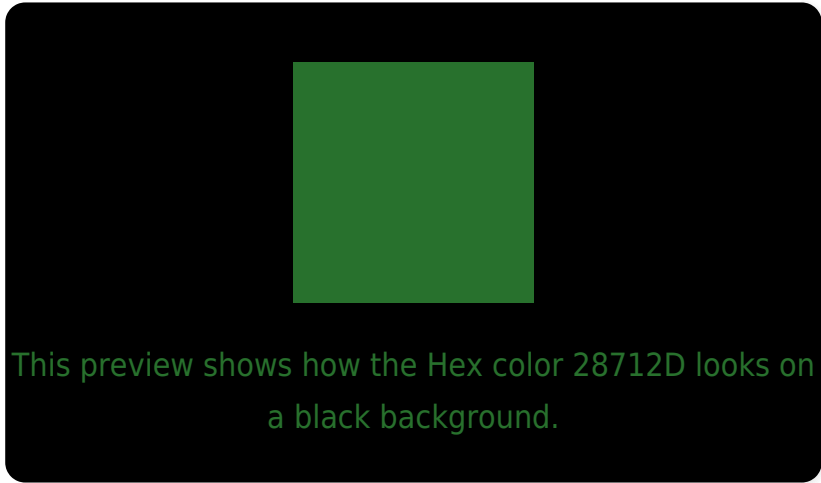
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

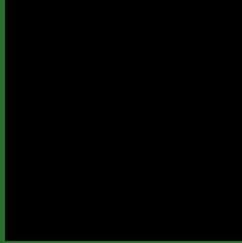
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 28712D Background



This preview shows how black text looks on a background with the Hex color 28712D.



This preview shows how white text looks on a background with the Hex color 28712D.

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
28712D

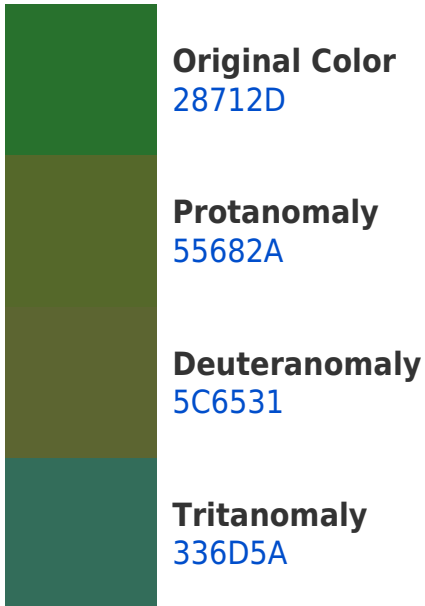
Protanopia
6E6329

Deuteranopia
795E33

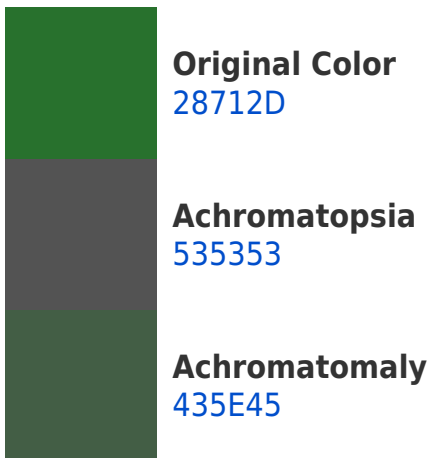


Tritanopia
3A6A73

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 28712D 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 #28712D looks like.

```
.text, #text, p{  
    color:#28712D  
}
```

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 #28712D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28712D
}
```

Border

The CSS property to change the border of an element to Hex 28712D 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
#28712D }
```

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

```
.border{ border-color:#28712D }
```

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

Here you see how a box with a 4 pixel #28712D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28712D; -webkit-box-shadow:4px 4px  
4px 4px #28712D; box-shadow:4px 4px 4px  
4px #28712D }
```

Background

The CSS property to change the background color of an element to Hex 28712D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28712D }
```

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

```
.background{ background-color:#28712D }
```

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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