

# Converting Colors

Hex(22542D)

Have a look what the booklet for  
Hex(22542D) contains.

<b>Hex(22542D)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(22542D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22542D
RGB	34, 84, 45
RGB Percent	13%, 33%, 18%
CMY	0.8667, 0.6706, 0.8235
CMYK	0.60, 0.00, 0.46, 0.67
HSL	133°, 42%, 23%
HSV	133°, 60%, 33%
XYZ	4.3037, 6.8702, 3.5819
YIQ	64.6040, -17.2810, -22.7290

# Conversions

## Conversions Part 2

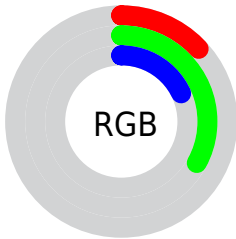
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 75, 84
Decimal	2249773
CIELab	31.51, -26.57, 17.83
CIElCh	32, 31.998, 146.138
Yxy	6.8702, 0.2917, 0.4656
Android (android.graphics.Color)	4280439853 (0xFF22542D)
YUV	64.6040, -9.6648, -26.8397
Hunter-Lab	26.2110, -16.5609, 10.2454

# Details

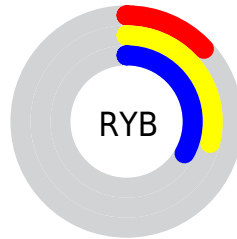
The Hex color **22542D** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **542249**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **53865B**, and **002600** is the 20% darker color. If you saturate the color by 10%, you get **1A5426**, and if you desaturate by 10%, it is **2A5434**.

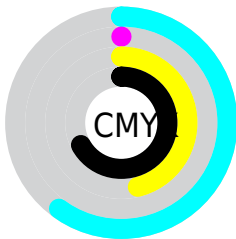
# Distribution



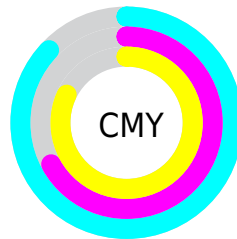
- Red (13%)
- Green (33%)
- Blue (18%)



- Red (13%)
- Yellow (29%)
- Blue (33%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (67%)



- Cyan (87%)
- Magenta (67%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22542D 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 22542D by changing the saturation by 10% instead.



 22542D

 22542D

FFFFFF

 063C18

 53865B

 002600

 6DA174

 000A00

 87BC8E

 000000

 A2D8A8

 BDF4C4

 DAFFE0

 F6FFFC

 22542D

 22542D

■ 1A5426

■ 2A5434

■ 115420

■ 33543A

■ 095419

■ 3B5441

■ 005413

■ 445447

■ 005412

■ 4C544E

■ 545454

■ 5D545B

■ 655461

■ 6E5468

# Harmonies

## Analogous

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



424F1A



22542D



005646

# Triad

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



22542D



004E7C



783636

# Complementary

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



22542D



542249

# 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.



76344E



22542D



464577

# Square

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



22542D



005473



663B66



6E3E21

# Rectangle

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



22542D



005757



663B66



79343E



# Sweetspot

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



22542D



5A6E5E



495422



2C382E



B8B8B8



383838



# Same Dimension

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



22542D



206E31



225446



252926



006917



00E833



# Inverse Universe

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



542249



6E205D



542230



292528



690052

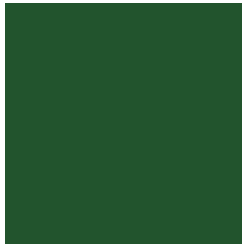


E800B5



# Previews

## White Background



This preview shows how the Hex color 22542D looks on a white background.

## Color Contrast Check

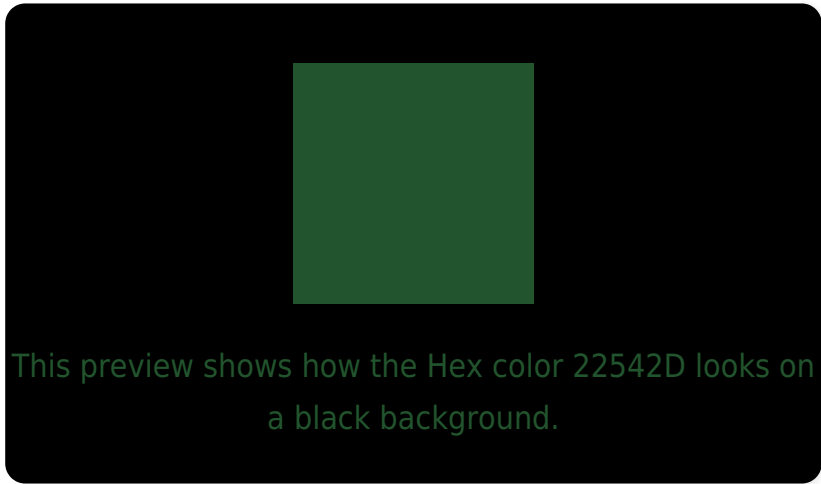
Large Text (above 18pt) WCAG AA ✓ Pass

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

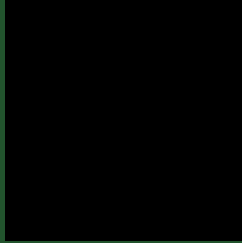
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 22542D Background



This preview shows how black text looks on a background with the Hex color 22542D.



This preview shows how white text looks on a background with the Hex color 22542D.

# 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**  
22542D

**Protanopia**  
514A29

**Deuteranopia**  
594730



**Tritanopia**  
2D4F56

# Trichromacy



**Original Color**  
22542D

**Protanomaly**  
404E2A

**Deuteranomaly**  
454C2F

**Tritanomaly**  
295147

# Monochromacy



**Original Color**  
22542D

**Achromatopsia**  
414141

**Achromatomaly**  
36483A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22542D 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 #22542D looks like.

```
.text, #text, p{  
    color:#22542D  
}
```

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 #22542D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22542D
}
```

## Border

The CSS property to change the border of an element to Hex 22542D 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".

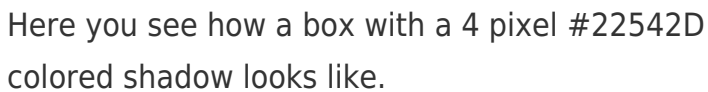
```
.border, #border, table{ border:4px solid
#22542D }
```

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

```
.border{ border-color:#22542D }
```

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

Here you see how a box with a 4 pixel #22542D colored shadow looks like.

A rectangular box with a dark green border and a dark green shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #22542D colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22542D; -webkit-box-shadow:4px 4px  
4px 4px #22542D; box-shadow:4px 4px 4px  
4px #22542D }
```

# Background

The CSS property to change the background color of an element to Hex 22542D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22542D }
```

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

```
.background{ background-color:#22542D }
```

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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