

# Converting Colors

Hex(2D1224)

Have a look what the booklet for  
Hex(2D1224) contains.

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# Color

**Hex(2D1224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D1224
RGB	45, 18, 36
RGB Percent	18%, 7%, 14%
CMY	0.8235, 0.9294, 0.8588
CMYK	0.00, 0.60, 0.20, 0.82
HSL	320°, 43%, 12%
HSV	320°, 60%, 18%
XYZ	1.6169, 1.1179, 1.7996
YIQ	28.1250, 10.3140, 11.3220

# Conversions

## Conversions Part 2

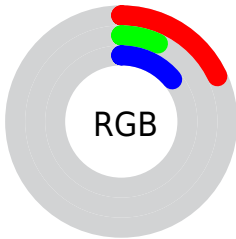
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 18, 36
Decimal	2953764
CIE Lab	9.94, 16.80, -6.23
CIE LCh	10, 17.913, 339.661
Yxy	1.1179, 0.3566, 0.2465
Android (android.graphics.Color)	4281143844 (0xFF2D1224)
YUV	28.1250, 3.8824, 14.7994
Hunter-Lab	10.5730, 8.7955, -2.6906




# Details

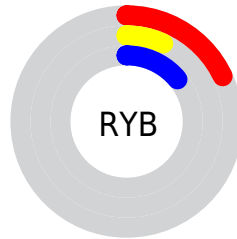
The Hex color **2D1224** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **122D1B**, and the grayscale version is **1C1C1C**.




A 20% lighter version of the original color is **5C3D50**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D0E23**, and if you desaturate by 10%, it is **2D1726**.

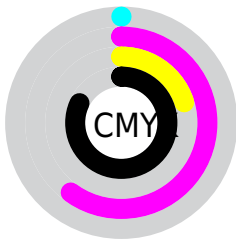
# Distribution







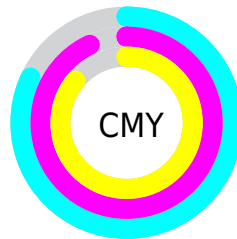
-  Red (18%)
-  Green (7%)
-  Blue (14%)






-  Red (18%)
-  Yellow (7%)
-  Blue (14%)



-  Cyan (0%)
-  Magenta (60%)
-  Yellow (20%)
-  Black (82%)



-  Cyan (82%)
-  Magenta (93%)
-  Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D1224 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 2D1224 by changing the saturation by 10% instead.



 2D1224

 2D1224

 FFF4FF

 1B000F

 5C3D50

 000000

 755569

 8F6D82

 A9879C

 C5A1B7

 E1BCD2

 FDD8EE

 2D1224

 2D1224

■ 2D0E23

■ 2D1726

■ 2D0921

■ 2D1B27

■ 2D0420

■ 2D2029

■ 2D001E

■ 2D242A

■ 2D292C

■ 2D2D2D

■ 2D322F

■ 2D3630

■ 2D3B31

# Harmonies

## Analogous

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



21172E



2D1224



321118

# Triad

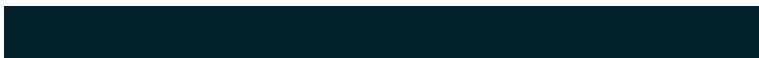
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2D1224



201C00



00212A

# Complementary

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



2D1224



122D1B

# 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.



00221F



2D1224



131F02

# Square

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



2D1224



2A1800



002112



001F32

# Rectangle

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



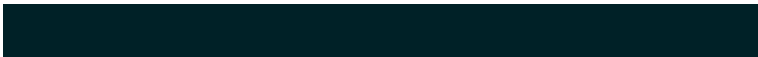
2D1224



31120F



002112



002127



# Sweetspot

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



2D1224



3B3037



1B122D



1F181C



9E9E9E



1F1F1F



# Same Dimension

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



2D1224



3B102D



2D1217



171516



57003A



D6008F



# Inverse Universe

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



2D1224



3B102D



122D28



171516



57003A

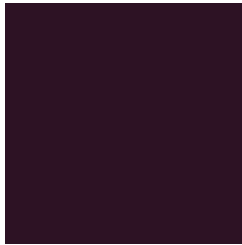


D6008F



# Previews

## White Background



This preview shows how the Hex color 2D1224 looks on a white background.

## Color Contrast Check

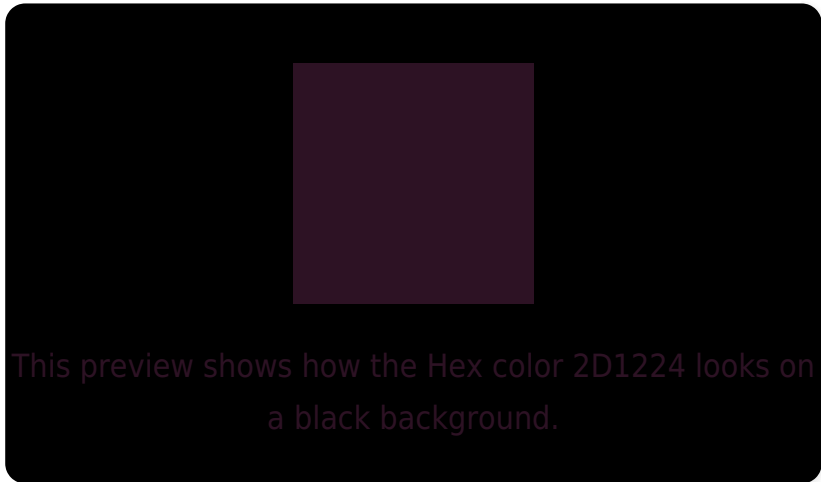
Large Text (above 18pt) WCAG AA ✓ Pass

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

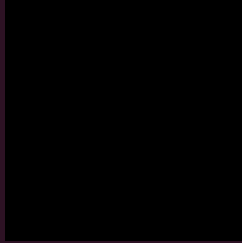
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D1224 Background



This preview shows how black text looks on a background with the Hex color 2D1224.



This preview shows how white text looks on a background with the Hex color 2D1224.

# 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**  
2D1224

**Protanopia**  
171C2B

**Deuteranopia**  
1C1C22



**Tritanopia**  
2C1517

# Trichromacy



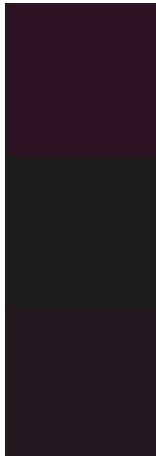
**Original Color**  
2D1224

**Protanomaly**  
1F1828

**Deuteranomaly**  
221823

**Tritanomaly**  
2C141C

# Monochromacy



**Original Color**  
2D1224

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
22181F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D1224 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 #2D1224 looks like.

```
.text, #text, p{  
    color:#2D1224  
}
```

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 #2D1224 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1224
}
```

## Border

The CSS property to change the border of an element to Hex 2D1224 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
#2D1224 }
```

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

```
.border{ border-color:#2D1224 }
```

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

Here you see how a box with a 4 pixel #2D1224 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1224; -webkit-box-shadow:4px 4px  
4px 4px #2D1224; box-shadow:4px 4px 4px  
4px #2D1224 }
```

# Background

The CSS property to change the background color of an element to Hex 2D1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1224 }
```

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

```
.background{ background-color:#2D1224 }
```

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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