

# Converting Colors

Hex(2D0C21)

Have a look what the booklet for  
Hex(2D0C21) contains.

<b>Hex(2D0C21)</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(2D0C21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D0C21
RGB	45, 12, 33
RGB Percent	18%, 5%, 13%
CMY	0.8235, 0.9529, 0.8706
CMYK	0.00, 0.73, 0.27, 0.82
HSL	322°, 58%, 11%
HSV	322°, 73%, 18%
XYZ	1.4882, 0.9306, 1.5400
YIQ	24.2610, 12.9270, 13.5270

# Conversions

## Conversions Part 2

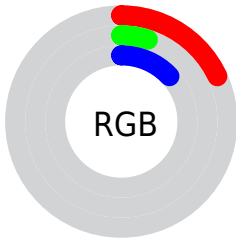
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 12, 33
Decimal	2952225
CIELab	8.40, 19.91, -6.30
CIELCh	8, 20.887, 342.448
Yxy	0.9306, 0.3759, 0.2351
Android (android.graphics.Color)	4281142305 (0xFF2D0C21)
YUV	24.2610, 4.3083, 18.1881
Hunter-Lab	9.6470, 10.6539, -2.7122

# Details

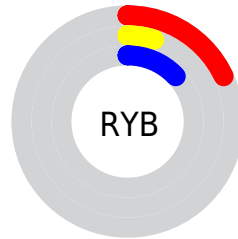
The Hex color **2D0C21** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **0C2D18**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **5C384D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D071F**, and if you desaturate by 10%, it is **2D1023**.

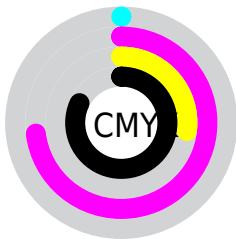
# Distribution



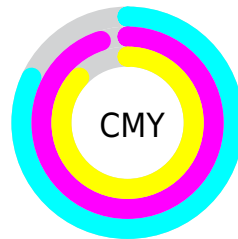
- Red (18%)
- Green (5%)
- Blue (13%)



- Red (18%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (73%)
- Yellow (27%)
- Black (82%)



- Cyan (82%)
- Magenta (95%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D0C21 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 2D0C21 by changing the saturation by 10% instead.



 2D0C21

 2D0C21

 FFEEFF

 180009

 5C384D

 000000

 754F65

 8F677E

 AA8098

 C69BB3

 E2B6CE

 FFD1EA

 2D0C21

 2D0C21

■ 2D071F

■ 2D1023

■ 2D031E

■ 2D1524

■ 2D001D

■ 2D1A26

■ 2D1E28

■ 2D2329

■ 2D272B

■ 2D2C2C

■ 2D302E

■ 2D3530

# Harmonies

## Analogous

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



20122D



2D0C21



310A13

# Triad

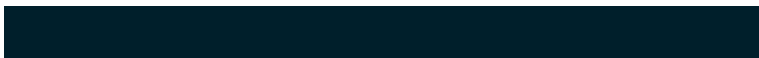
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2D0C21



1B1900



001F2B

# Complementary

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



2D0C21



0C2D18

# 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.



00201E



2D0C21



0A1D00

# Square

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



2D0C21



261500



001F0E



001C33

# Rectangle

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



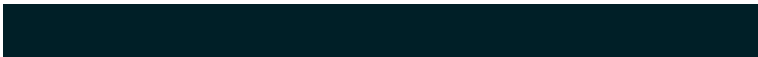
2D0C21



310D04



001F0E



001F27



# Sweetspot

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



2D0C21



3B2E36



180C2D



1F171C



9E9E9E



1F1F1F



# Same Dimension

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



2D0C21



3B0728



2D0C11



171516



570037



D60088



# Inverse Universe

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



2D0C21



3B0728



0C2D28



171516



570037

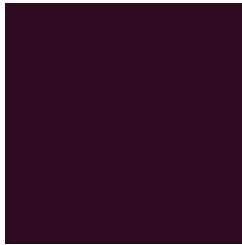


D60088



# Previews

## White Background



This preview shows how the Hex color 2D0C21 looks on a white background.

## Color Contrast Check

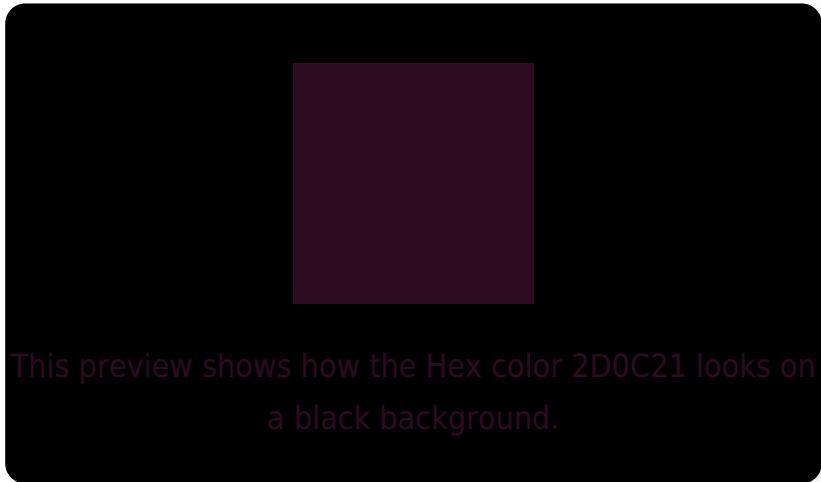
Large Text (above 18pt) WCAG AA ✓ Pass

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

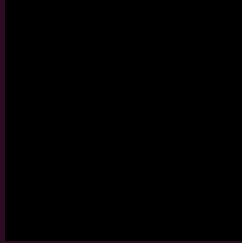
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D0C21 Background



This preview shows how black text looks on a background with the Hex color 2D0C21.



This preview shows how white text looks on a background with the Hex color 2D0C21.

# 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**  
2D0C21

**Protanopia**  
13192B

**Deuteranopia**  
1A191F



# Trichromacy



**Original Color**  
2D0C21

**Protanomaly**  
1C1427

**Deuteranomaly**  
211420

**Tritanomaly**  
2C0F17

# Monochromacy



**Original Color**  
2D0C21

**Achromatopsia**  
181818

**Achromatomaly**  
20141B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D0C21 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 #2D0C21 looks like.

```
.text, #text, p{  
    color:#2D0C21  
}
```

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 #2D0C21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D0C21
}
```

## Border

The CSS property to change the border of an element to Hex 2D0C21 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".

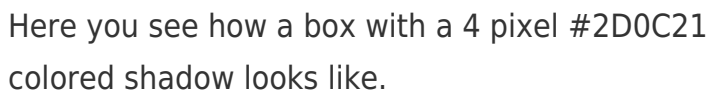
```
.border, #border, table{ border:4px solid
#2D0C21 }
```

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

```
.border{ border-color:#2D0C21 }
```

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

Here you see how a box with a 4 pixel #2D0C21 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D0C21; -webkit-box-shadow:4px 4px  
4px 4px #2D0C21; box-shadow:4px 4px 4px  
4px #2D0C21 }
```

# Background

The CSS property to change the background color of an element to Hex 2D0C21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D0C21 }
```

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

```
.background{ background-color:#2D0C21 }
```

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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