

# Converting Colors

Hex(2D0C10)

Have a look what the booklet for  
Hex(2D0C10) contains.

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# Color

**Hex(2D0C10)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D0C10
RGB	45, 12, 16
RGB Percent	18%, 5%, 6%
CMY	0.8235, 0.9529, 0.9373
CMYK	0.00, 0.73, 0.64, 0.82
HSL	353°, 58%, 11%
HSV	353°, 73%, 18%
XYZ	1.3072, 0.8582, 0.5870
YIQ	22.3230, 18.3840, 8.2400

# Conversions

## Conversions Part 2

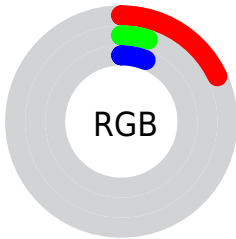
Format	Color
<a href="#">RYB</a>	<a href="#">45, 12, 16</a>
Decimal	<a href="#">2952208</a>
CIELab	<a href="#">7.75, 17.41, 4.97</a>
CIElCh	<a href="#">8, 18.109, 15.931</a>
Yxy	<a href="#">0.8582, 0.4749, 0.3118</a>
Android (android.graphics.Color)	<a href="#">4281142288 (0xFF2D0C10)</a>
YUV	<a href="#">22.3230, -3.1172, 19.8877</a>
Hunter-Lab	<a href="#">9.2641, 8.9744, 2.7283</a>

# Details

The Hex color **2D0C10** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **0C2D29**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **5D373B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2D070C**, and if you desaturate by 10%, it is **2D1014**.

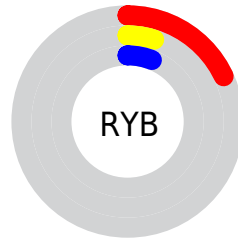
# Distribution



 Red (18%)

 Green (5%)

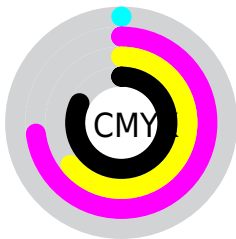
 Blue (6%)



 Red (18%)

 Yellow (5%)

 Blue (6%)

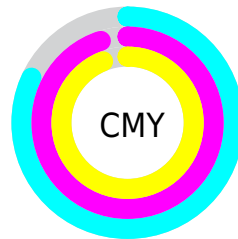


 Cyan (0%)

 Magenta (73%)

 Yellow (64%)

 Black (82%)



 Cyan (82%)

 Magenta (95%)

 Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D0C10 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 2D0C10 by changing the saturation by 10% instead.



 2D0C10

 2D0C10


 FFEDF0

 120000

 5D373B

 000000

 764E51

 91666A

 AC8083

 C79A9D

 E4B5B8

 FFD0D3

 2D0C10

 2D0C10

■ 2D070C

■ 2D1014

■ 2D0308

■ 2D1518

■ 2D0005

■ 2D1A1C

■ 2D1E20

■ 2D2324

■ 2D2728

■ 2D2C2C

■ 2D3030

■ 2D3534

# Harmonies

## Analogous

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



2A0D1D



2D0C10



2B0F00

# Triad

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



2D0C10



091C00



001A2E

# Complementary

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



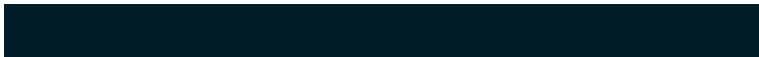
2D0C10



0C2D29

# 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.



001D28



2D0C10



001D10

# Square

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



2D0C10



181800



001E1D



0C162E

# Rectangle

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



2D0C10



261300



001E1D



001B2D



# Sweetspot

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



2D0C10



3B2E2F



290C2D



1F1718



9E9E9E



1F1F1F



# Same Dimension

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



2D0C10



3B070D



2D180C



171515



57000B



D6001A



# Inverse Universe

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



2D0C10



3B070D



0C212D



171515



57000B

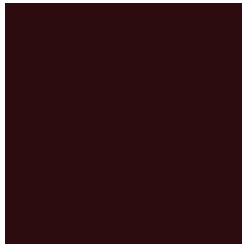


D6001A



# Previews

## White Background



This preview shows how the Hex color 2D0C10 looks on a white background.

## Color Contrast Check

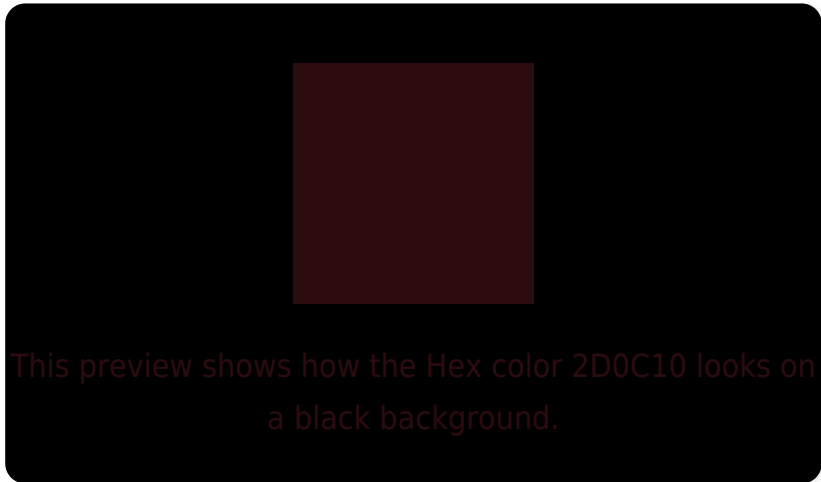
Large Text (above 18pt) WCAG AA ✓ Pass

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

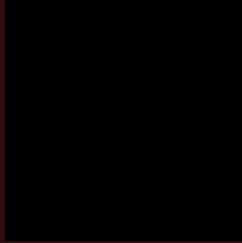
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D0C10 Background



This preview shows how black text looks on a background with the Hex color 2D0C10.

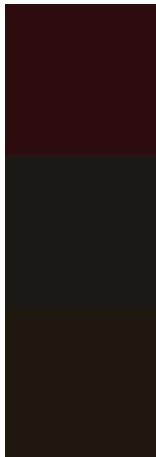


This preview shows how white text looks on a background with the Hex color 2D0C10.

# 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](#).

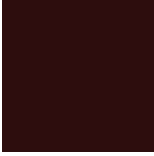
## Dichromacy



**Original Color**  
2D0C10

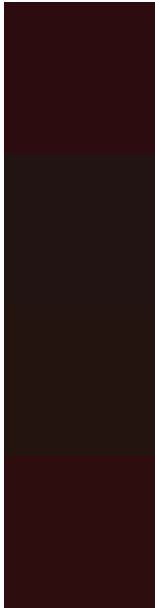
**Protanopia**  
1A1915

**Deuteranopia**  
1E180E



**Tritanopia**  
2D0D0D

# Trichromacy



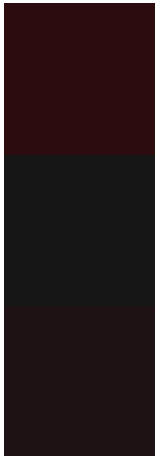
**Original Color**  
2D0C10

**Protanomaly**  
211413

**Deuteranomaly**  
23140F

**Tritanomaly**  
2D0D0E

# Monochromacy



**Original Color**  
2D0C10

**Achromatopsia**  
161616

**Achromatomaly**  
1E1214

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D0C10 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 #2D0C10 looks like.

```
.text, #text, p{  
    color:#2D0C10  
}
```

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 #2D0C10 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D0C10
}
```

## Border

The CSS property to change the border of an element to Hex 2D0C10 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
#2D0C10 }
```

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

```
.border{ border-color:#2D0C10 }
```

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

Here you see how a box with a 4 pixel #2D0C10 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D0C10; -webkit-box-shadow:4px 4px  
4px 4px #2D0C10; box-shadow:4px 4px 4px  
4px #2D0C10 }
```

# Background

The CSS property to change the background color of an element to Hex 2D0C10 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D0C10 }
```

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

```
.background{ background-color:#2D0C10 }
```

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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