

# Converting Colors

Hex(2D1764)

Have a look what the booklet for  
Hex(2D1764) contains.

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# Color

**Hex(2D1764)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D1764
RGB	45, 23, 100
RGB Percent	18%, 9%, 39%
CMY	0.8235, 0.9098, 0.6078
CMYK	0.55, 0.77, 0.00, 0.61
HSL	257°, 63%, 24%
HSV	257°, 77%, 39%
XYZ	3.6888, 2.0908, 12.2657
YIQ	38.3560, -11.6050, 28.6110

# Conversions

## Conversions Part 2

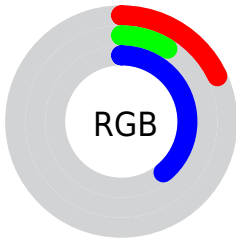
Format	Color
R <sub>Y</sub> B	45, 23, 100
Decimal	2955108
CIE Lab	15.96, 31.54, -41.49
CIE LCh	16, 52.122, 307.240
Yxy	2.0908, 0.2044, 0.1159
Android (android.graphics.Color)	4281145188 (0xFF2D1764)
YUV	38.3560, 30.3905, 5.8268
Hunter-Lab	14.4595, 20.2337, -40.1728

# Details

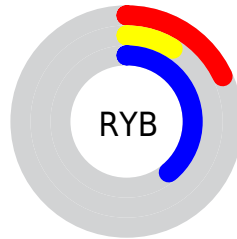
The Hex color **2D1764** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **4E6417**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **614498**, and **000034** is the 20% darker color. If you saturate the color by 10%, you get **260D64**, and if you desaturate by 10%, it is **342164**.

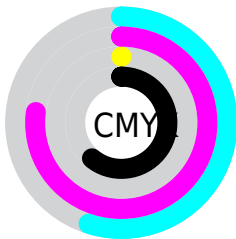
# Distribution



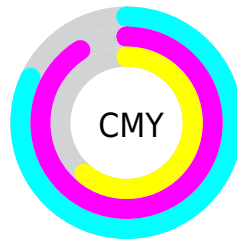
- Red (18%)
- Green (9%)
- Blue (39%)



- Red (18%)
- Yellow (9%)
- Blue (39%)



- Cyan (55%)
- Magenta (77%)
- Yellow (0%)
- Black (61%)



- Cyan (82%)
- Magenta (91%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D1764 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 2D1764 by changing the saturation by 10% instead.



■ 2D1764

■ 2D1764

FFFEFF

■ 11014C

■ 614498

■ 000034

■ 7C5CB3

■ 00021E

■ 9775CF

■ 000000

■ B28FEB

■ CFAAFF

■ ECC6FF

■ FFE2FF

■ 2D1764

■ 2D1764

■ 260D64

■ 342164

■ 1F0364

■ 3B2B64

■ 1D0064

■ 423564

■ 4A3F64

■ 514964

■ 585364

■ 5F5D64

■ 666764

■ 6D7164

# Harmonies

## Analogous

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



002B73



2D1764



580045

# Triad

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



2D1764



481A00



003630

# Complementary

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



2D1764



4E6417

# 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.



003405



2D1764



2A2900

# Square

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



2D1764



5D0000



003100



003654

# Rectangle

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



2D1764



62002D



003100



003523



# Sweetspot

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



2D1764



6D6482



174E64



353042



C2C2C2



424242



# Same Dimension

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



2D1764



2D0A82



531764



2F2E33



210073



4500F2



# Inverse Universe

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



64174E



820A60



286417



332E32



730052

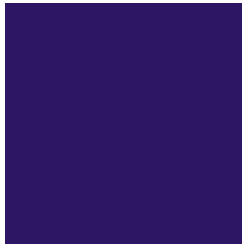


F200AD



# Previews

## White Background



This preview shows how the Hex color 2D1764 looks on a white background.

## Color Contrast Check

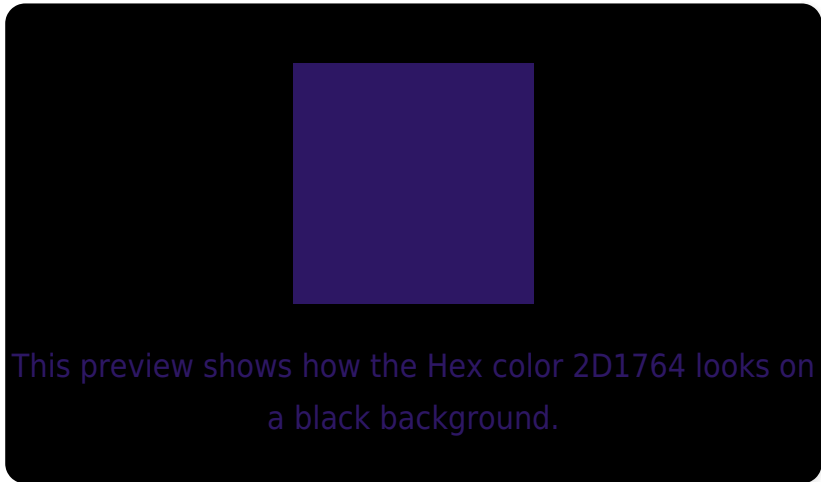
Large Text (above 18pt) WCAG AA ✓ Pass

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

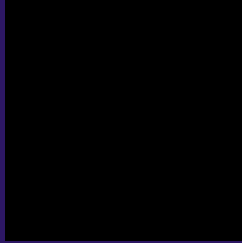
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D1764 Background



This preview shows how black text looks on a background with the Hex color 2D1764.



This preview shows how white text looks on a background with the Hex color 2D1764.

# 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**  
2D1764

**Protanopia**  
002753

**Deuteranopia**  
002A47



**Tritanopia**  
1A2B2F

# Trichromacy



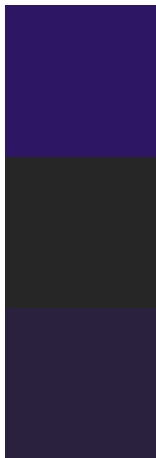
**Original Color**  
2D1764

**Protanomaly**  
102159

**Deuteranomaly**  
102352

**Tritanomaly**  
212442

# Monochromacy



**Original Color**  
2D1764

**Achromatopsia**  
262626

**Achromatomaly**  
29213D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D1764 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 #2D1764 looks like.

```
.text, #text, p{  
    color:#2D1764  
}
```

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 #2D1764 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1764
}
```

## Border

The CSS property to change the border of an element to Hex 2D1764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

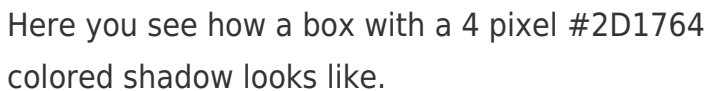
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D1764 }
```

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

```
.border{ border-color:#2D1764 }
```

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



Here you see how a box with a 4 pixel #2D1764 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1764; -webkit-box-shadow:4px 4px  
4px 4px #2D1764; box-shadow:4px 4px 4px  
4px #2D1764 }
```

# Background

The CSS property to change the background color of an element to Hex 2D1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1764 }
```

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

```
.background{ background-color:#2D1764 }
```

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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