

# Converting Colors

Hex(2D1D45)

Have a look what the booklet for  
Hex(2D1D45) contains.

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# Color

**Hex(2D1D45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D1D45
RGB	45, 29, 69
RGB Percent	18%, 11%, 27%
CMY	0.8235, 0.8863, 0.7294
CMYK	0.35, 0.58, 0.00, 0.73
HSL	264°, 41%, 19%
HSV	264°, 58%, 27%
XYZ	2.5957, 1.8663, 5.8536
YIQ	38.3440, -3.3040, 15.8320

# Conversions

## Conversions Part 2

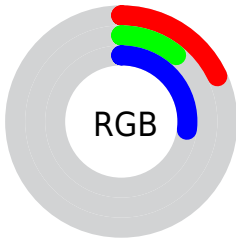
Format	Color
<b>RYB</b>	45, 29, 69
Decimal	2956613
CIELab	14.77, 17.95, -22.43
CIELCh	15, 28.728, 308.658
Yxy	1.8663, 0.2516, 0.1809
Android (android.graphics.Color)	4281146693 (0xFF2D1D45)
YUV	38.3440, 15.1134, 5.8373
Hunter-Lab	13.6612, 10.0092, -15.8421

# Details

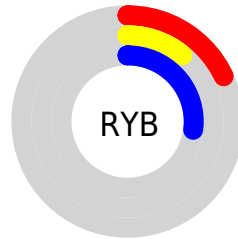
The Hex color **2D1D45** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **35451D**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **5C4976**, and **000119** is the 20% darker color. If you saturate the color by 10%, you get **291645**, and if you desaturate by 10%, it is **312445**.

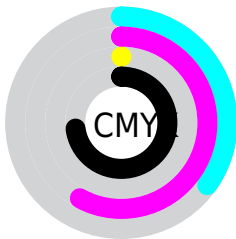
# Distribution



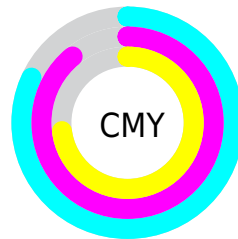
- Red (18%)
- Green (11%)
- Blue (27%)



- Red (18%)
- Yellow (11%)
- Blue (27%)



- Cyan (35%)
- Magenta (58%)
- Yellow (0%)
- Black (73%)



- Cyan (82%)
- Magenta (89%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D1D45 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 2D1D45 by changing the saturation by 10% instead.



■ 2D1D45

■ 2D1D45

FFFFFF

■ 18062F

■ 5C4976

■ 000119

■ 76618F

■ 000000

■ 8F7AAA

■ AA94C5

■ C6AFE1

■ E2CAFE

■ FFE6FF

■ 2D1D45

■ 2D1D45

■ 291645

■ 312445

■ 250F45

■ 352B45

■ 210845

■ 393245

■ 1C0145

■ 3E3945

■ 1C0045

■ 423F45

■ 464645

■ 4A4D45

■ 4E5445

■ 525B45

# Harmonies

## Analogous

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



00264D



2D1D45



421334

# Triad

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



2D1D45



3B1F00



002E2B

# Complementary

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



2D1D45



35451D

# 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.



002D16



2D1D45



2A2600

# Square

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



2D1D45



46160B



152B00



002E3E

# Rectangle

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



2D1D45



480F27



152B00



002E24



# Sweetspot

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



2D1D45



504A59



1D3545



28252E



ADADAD



2E2E2E



# Same Dimension

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



2D1D45



341B59



411D45



222024



280063



5B00E3



# Inverse Universe

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



451D35



591B40



21451D



242022



63003C



E30088



# Previews

## White Background



This preview shows how the Hex color 2D1D45 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

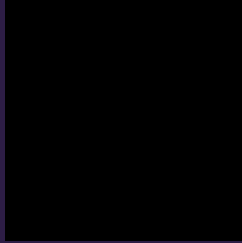
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D1D45 Background



This preview shows how black text looks on a background with the Hex color 2D1D45.



This preview shows how white text looks on a background with the Hex color 2D1D45.

# 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**  
2D1D45

**Protanopia**  
06244D

**Deuteranopia**  
0A2643



**Tritanopia**  
272528

# Trichromacy



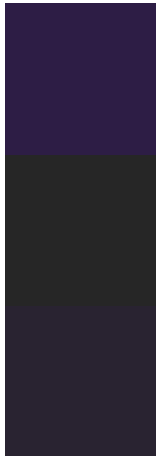
**Original Color**  
2D1D45

**Protanomaly**  
14214A

**Deuteranomaly**  
172344

**Tritanomaly**  
292233

# Monochromacy



**Original Color**  
2D1D45

**Achromatopsia**  
262626

**Achromatomaly**  
292331

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D1D45 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 #2D1D45 looks like.

```
.text, #text, p{  
    color:#2D1D45  
}
```

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 #2D1D45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D1D45
}
```

## Border

The CSS property to change the border of an element to Hex 2D1D45 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
#2D1D45 }
```

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

```
.border{ border-color:#2D1D45 }
```

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

Here you see how a box with a 4 pixel #2D1D45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D1D45; -webkit-box-shadow:4px 4px  
4px 4px #2D1D45; box-shadow:4px 4px 4px  
4px #2D1D45 }
```

# Background

The CSS property to change the background color of an element to Hex 2D1D45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D1D45 }
```

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

```
.background{ background-color:#2D1D45 }
```

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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