

# Converting Colors

Hex(202A33)

Have a look what the booklet for  
Hex(202A33) contains.

<b>Hex(202A33)</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(202A33)

# Conversions

## Conversions Part 1

Format	Color
Hex	202A33
RGB	32, 42, 51
RGB Percent	13%, 16%, 20%
CMY	0.8745, 0.8353, 0.8000
CMYK	0.37, 0.18, 0.00, 0.80
HSL	208°, 23%, 16%
HSV	208°, 37%, 20%
XYZ	2.0212, 2.2020, 3.4505
YIQ	40.0360, -8.8490, 0.6790

# Conversions

## Conversions Part 2

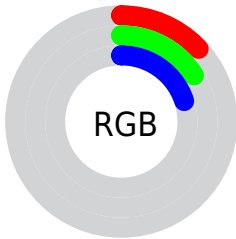
Format	Color
<a href="#">RYB</a>	<a href="#">32, 39, 51</a>
Decimal	<a href="#">2107955</a>
CIELab	<a href="#">16.51, -1.62, -7.23</a>
CIElCh	<a href="#">17, 7.412, 257.367</a>
Yxy	<a href="#">2.2020, 0.2634, 0.2870</a>
Android (android.graphics.Color)	<a href="#">4280298035 (0xFF202A33)</a>
YUV	<a href="#">40.0360, 5.4053, -7.0476</a>
Hunter-Lab	<a href="#">14.8392, -1.6561, -3.3989</a>

# Details

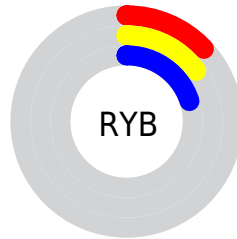
The Hex color **202A33** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **332920**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **4D5761**, and **000003** is the 20% darker color. If you saturate the color by 10%, you get **1B2833**, and if you desaturate by 10%, it is **252C33**.

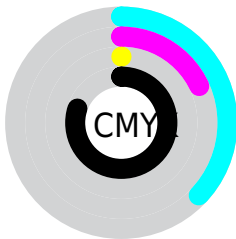
# Distribution



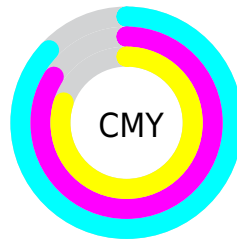
- Red (13%)
- Green (16%)
- Blue (20%)



- Red (13%)
- Yellow (15%)
- Blue (20%)



- Cyan (37%)
- Magenta (18%)
- Yellow (0%)
- Black (80%)



- Cyan (87%)
- Magenta (84%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 202A33 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 202A33 by changing the saturation by 10% instead.



■ 202A33

■ 202A33

FFFFFF

■ 0B161E

■ 4D5761

■ 000003

■ 65707A

■ 000000

■ 7E8994

■ 98A3AF

■ B3BECA

■ CEDAE6

■ EBF6FF

■ 202A33

■ 202A33

■ 1B2833

■ 252C33

■ 162533

■ 2A2F33

■ 112333

■ 2F3133

■ 0C2033

■ 343433

■ 061E33

■ 3A3633

■ 011C33

■ 3F3833

■ 001B33

■ 443B33

■ 493D33

■ 4E4033

# Harmonies

## Analogous

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



1B2B30



202A33



272833

# Triad

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



202A33



342526



242B22

# Complementary

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



202A33



332920

# 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.



2A291F



202A33



332621

# Square

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



202A33



32252B



2F281F



1E2C26

# Rectangle

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



202A33



2B2731



2F281F



262A20



# Sweetspot

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



202A33



3B3F42



203329



1D1F21



A1A1A1



212121



# Same Dimension

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



202A33



243442



202133



17181A



002F59



0072D9



# Inverse Universe

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



33202A



422434



333220



1A1718



59002F



D90072



# Previews

## White Background



This preview shows how the Hex color 202A33 looks on a white background.

## Color Contrast Check

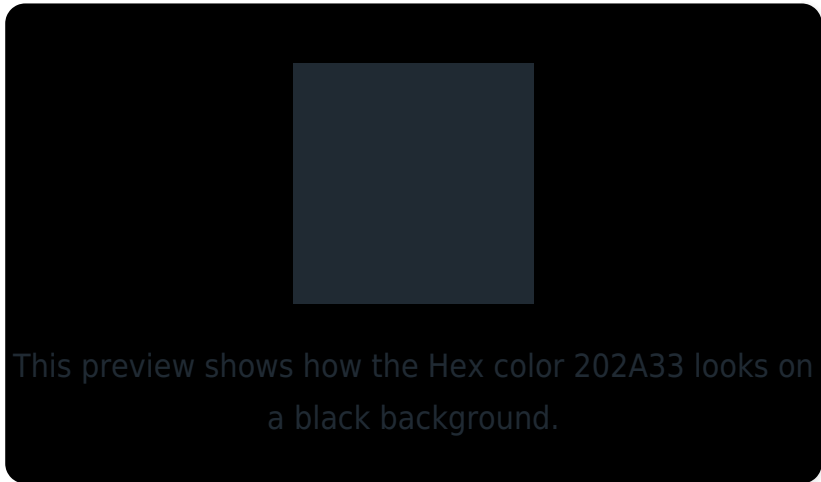
Large Text (above 18pt) WCAG AA ✓ Pass

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

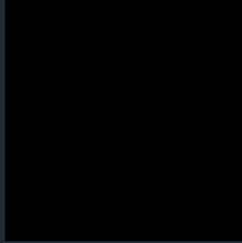
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

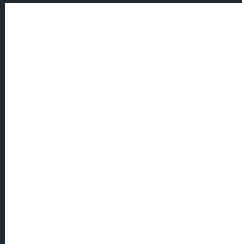
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 202A33 Background



This preview shows how black text looks on a background with the Hex color 202A33.



This preview shows how white text looks on a background with the Hex color 202A33.

# 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**  
202A33

**Protanopia**  
272832

**Deuteranopia**  
272833



**Tritanopia**  
1F2B2E

# Trichromacy



**Original Color**  
202A33

**Protanomaly**  
242932

**Deuteranomaly**  
242933

**Tritanomaly**  
1F2B30

# Monochromacy



**Original Color**  
202A33

**Achromatopsia**  
282828

**Achromatomaly**  
25292C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 202A33 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 #202A33 looks like.

```
.text, #text, p{  
    color:#202A33  
}
```

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 #202A33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #202A33
}
```

## Border

The CSS property to change the border of an element to Hex 202A33 is called "border". The border property can be set on classes, ids or directly on the HTML element.

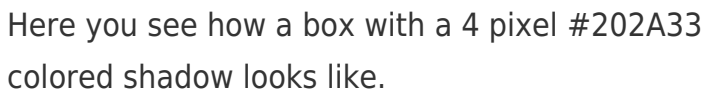
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#202A33 }
```

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

```
.border{ border-color:#202A33 }
```

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



Here you see how a box with a 4 pixel #202A33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #202A33; -webkit-box-shadow:4px 4px  
4px 4px #202A33; box-shadow:4px 4px 4px  
4px #202A33 }
```

# Background

The CSS property to change the background color of an element to Hex 202A33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#202A33 }
```

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

```
.background{ background-color:#202A33 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor