

# Converting Colors

Hex(21305A)

Have a look what the booklet for  
Hex(21305A) contains.

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# Color

Hex(21305A)

# Conversions

## Conversions Part 1

Format	Color
Hex	21305A
RGB	33, 48, 90
RGB Percent	13%, 19%, 35%
CMY	0.8706, 0.8118, 0.6471
CMYK	0.63, 0.47, 0.00, 0.65
HSL	224°, 46%, 24%
HSV	224°, 63%, 35%
XYZ	3.5296, 3.1754, 10.0997
YIQ	48.3030, -22.4220, 9.8820

# Conversions

## Conversions Part 2

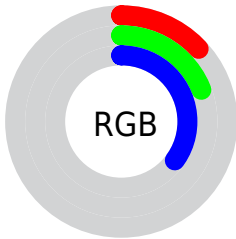
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 45, 90
Decimal	2175066
CIE <sub>Lab</sub>	20.73, 8.48, -27.20
CIE <sub>LCh</sub>	21, 28.493, 287.318
Y <sub>xy</sub>	3.1754, 0.2100, 0.1890
Android (android.graphics.Color)	4280365146 (0xFF21305A)
YUV	48.3030, 20.5566, -13.4207
Hunter-Lab	17.8197, 4.1716, -21.1302

# Details

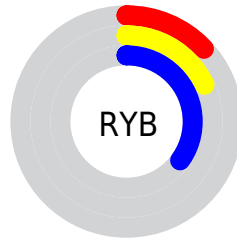
The Hex color **21305A** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **5A4B21**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **535E8C**, and **00002C** is the 20% darker color. If you saturate the color by 10%, you get **18295A**, and if you desaturate by 10%, it is **2A375A**.

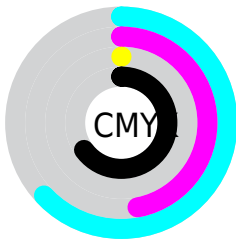
# Distribution



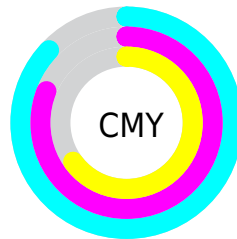
- Red (13%)
- Green (19%)
- Blue (35%)



- Red (13%)
- Yellow (18%)
- Blue (35%)



- Cyan (63%)
- Magenta (47%)
- Yellow (0%)
- Black (65%)



- Cyan (87%)
- Magenta (81%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21305A 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 21305A by changing the saturation by 10% instead.



■ 21305A

■ 21305A

FFFFFF

■ 041B42

■ 535E8C

■ 00002C

■ 6D76A7

■ 000117

■ 8790C2

■ 000000

■ A2AADE

■ BDC6FB

■ DAE1FF

■ F6FEFF

■ 21305A

■ 21305A

■ 18295A

■ 2A375A

■ 0F235A

■ 333D5A

■ 061C5A

■ 3C445A

■ 00185A

■ 454B5A

■ 4E515A

■ 57585A

■ 605E5A

■ 69655A

■ 726C5A

# Harmonies

## Analogous

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



00375B



21305A



42274E

# Triad

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



21305A



522514



003B28

# Complementary

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



21305A



5A4B21

# 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.



183914



21305A



442E04

# Square

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



21305A



581F27



313504



003C3E

# Rectangle

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



21305A



4F2142



313504



003B21



# Sweetspot

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



21305A



5F6575



215A4B



2D313B



BABABA



3B3B3B



# Same Dimension

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



21305A



1C3475



2E215A



292B2E



001D6E



003EED



# Inverse Universe

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



5A2130



751C34



4D5A21



2E292B



6E001D



ED003E



# Previews

## White Background



This preview shows how the Hex color 21305A looks on a white background.

## Color Contrast Check

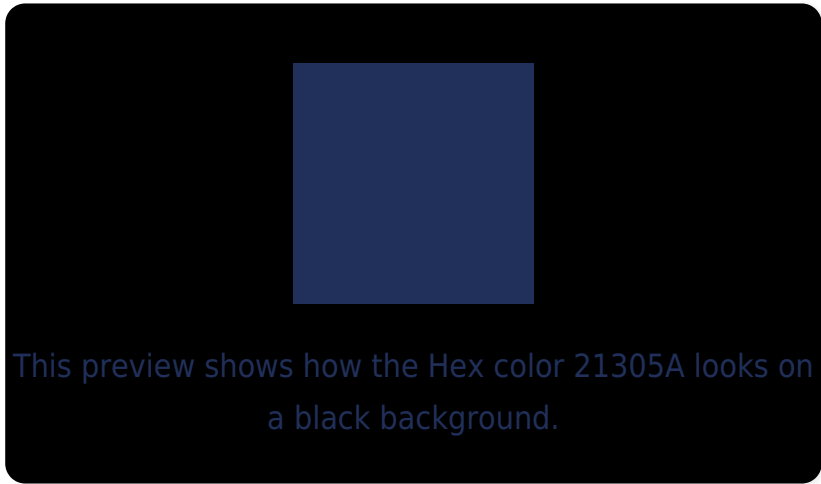
Large Text (above 18pt) WCAG AA ✓ Pass

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

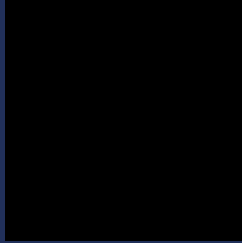
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 21305A Background



This preview shows how black text looks on a background with the Hex color 21305A.



This preview shows how white text looks on a background with the Hex color 21305A.

# 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**  
21305A

**Protanopia**  
1D315B

**Deuteranopia**  
0B3359



**Tritanopia**  
10373B

# Trichromacy



**Original Color**  
21305A

**Protanomaly**  
1E315B

**Deuteranomaly**  
133259

**Tritanomaly**  
163446

# Monochromacy



**Original Color**  
21305A

**Achromatopsia**  
303030

**Achromatomaly**  
2B303F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21305A 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 #21305A looks like.

```
.text, #text, p{  
    color:#21305A  
}
```

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 #21305A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21305A
}
```

## Border

The CSS property to change the border of an element to Hex 21305A 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
#21305A }
```

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

```
.border{ border-color:#21305A }
```

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

Here you see how a box with a 4 pixel #21305A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21305A; -webkit-box-shadow:4px 4px  
4px 4px #21305A; box-shadow:4px 4px 4px  
4px #21305A }
```

# Background

The CSS property to change the background color of an element to Hex 21305A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21305A }
```

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

```
.background{ background-color:#21305A }
```

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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