

Converting Colors

Hex(21217E)

Have a look what the booklet for
Hex(21217E) contains.

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Color

Hex(21217E)

Conversions

Conversions Part 1

Format	Color
Hex	21217E
RGB	33, 33, 126
RGB Percent	13%, 13%, 49%
CMY	0.8706, 0.8706, 0.5059
CMYK	0.74, 0.74, 0.00, 0.51
HSL	240°, 58%, 31%
HSV	240°, 74%, 49%
XYZ	4.9370, 2.9174, 20.0416
YIQ	43.6020, -29.8530, 28.9230

Conversions

Conversions Part 2

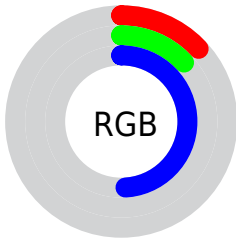
Format	Color
RYB	33, 33, 126
Decimal	2171262
CIELab	19.71, 32.63, -52.20
CIELCh	20, 61.561, 302.013
Yxy	2.9174, 0.1770, 0.1046
Android (android.graphics.Color)	4280361342 (0xFF21217E)
YUV	43.6020, 40.6222, -9.2980
Hunter-Lab	17.0804, 21.7032, -57.6126

Details

The Hex color **21217E** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7E7E21**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **5D4EB4**, and **00004C** is the 20% darker color. If you saturate the color by 10%, you get **14147E**, and if you desaturate by 10%, it is **2E2E7E**.

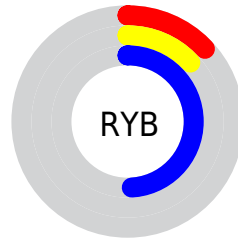
Distribution



Red (13%)

Green (13%)

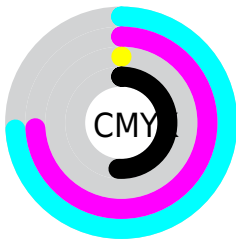
Blue (49%)



Red (13%)

Yellow (13%)

Blue (49%)

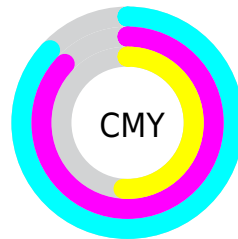


Cyan (74%)

Magenta (74%)

Yellow (0%)

Black (51%)



Cyan (87%)

Magenta (87%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Hex color 21217E 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 21217E by changing the saturation by 10% instead.

■ 21217E

■ 21217E

FFFFFF

■ 000C64

■ 5D4EB4

■ 00004C

■ 7967D0

■ 000434

■ 9580EC

■ 00021E

■ B19AFF

■ 000000

■ CEB5FF

■ EBD1FF

■ FFEDFF

■ 21217E

■ 21217E

■ 14147E

■ 2E2E7E

■ 08087E

■ 3A3A7E

■ 00007E

■ 47477E

■ 53537E

■ 60607E

■ 6D6D7E

■ 79797E

■ 86867E

■ 92927E

Harmonies

Analogous

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



00368C



21217E



64005B

Triad

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



21217E



5B1900



004032

Complementary

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



21217E



7E7E21

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.



003E00



21217E



392F00

Square

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



21217E



730000



003900



00405F

Rectangle

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



21217E



74003E



003900



003F22

Sweetspot

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



21217E



7F7FA3



217E7E



3C3C52



D1D1D1



525252

Same Dimension

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



21217E



1212A3



50217E



393940



000080



000000

Inverse Universe

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



7E217E



A312A3



507E21



403940



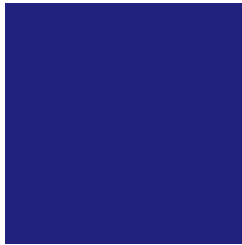
800080



000000

Previews

White Background



This preview shows how the Hex color 21217E looks on a white background.

Color Contrast Check

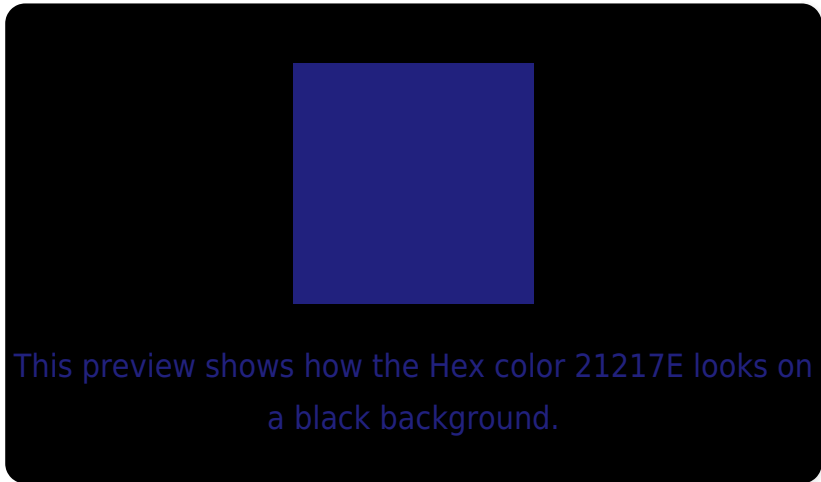
Large Text (above 18pt) WCAG AA ✓ Pass

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

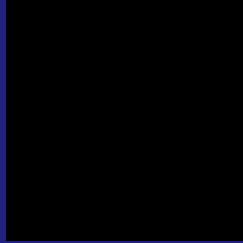
Any Text WCAG AA × Fail

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 21217E Background



This preview shows how black text looks on a background with the Hex color 21217E.

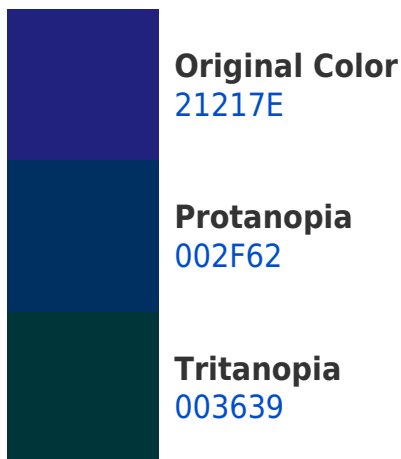


This preview shows how white text looks on a background with the Hex color 21217E.

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



Trichromacy



Original Color
21217E

Protanomaly
0C2A6C

Tritanomaly
0C2E52

Monochromacy



Original Color
21217E

Achromatopsia
2C2C2C

Achromatomaly
28284A

CSS Examples

Text

The CSS property to change the color of the text to Hex 21217E 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 #21217E looks like.

```
.text, #text, p{  
    color:#21217E  
}
```

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 #21217E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21217E
}
```

Border

The CSS property to change the border of an element to Hex 21217E 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
#21217E }
```

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

```
.border{ border-color:#21217E }
```

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

Here you see how a box with a 4 pixel #21217E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21217E; -webkit-box-shadow:4px 4px  
4px 4px #21217E; box-shadow:4px 4px 4px  
4px #21217E }
```

Background

The CSS property to change the background color of an element to Hex 21217E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21217E }
```

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

```
.background{ background-color:#21217E }
```

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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