

# Converting Colors

Hex(225E8D)

Have a look what the booklet for  
Hex(225E8D) contains.

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# Color

Hex(225E8D)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	225E8D
RGB	34, 94, 141
RGB Percent	13%, 37%, 55%
CMY	0.8667, 0.6314, 0.4471
CMYK	0.76, 0.33, 0.00, 0.45
HSL	206°, 61%, 34%
HSV	206°, 76%, 55%
XYZ	9.4701, 10.2686, 26.6822
YIQ	81.4180, -50.8470, 1.8970

# Conversions

## Conversions Part 2

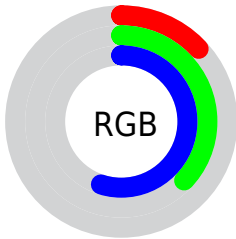
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 72, 141
Decimal	2252429
CIE <sub>Lab</sub>	38.32, -2.34, -31.50
CIE <sub>LCh</sub>	38, 31.587, 265.749
Yxy	10.2686, 0.2040, 0.2212
Android (android.graphics.Color)	4280442509 (0xFF225E8D)
<b>YUV</b>	81.4180, 29.3739, -41.5856
Hunter-Lab	32.0446, -3.3262, -26.9371

# Details

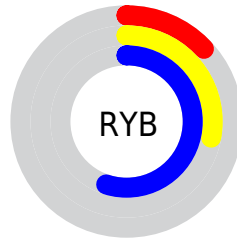
The Hex color **225E8D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8D5122**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **5E90C3**, and **00305A** is the 20% darker color. If you saturate the color by 10%, you get **14588D**, and if you desaturate by 10%, it is **30648D**.

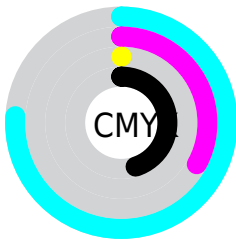
# Distribution



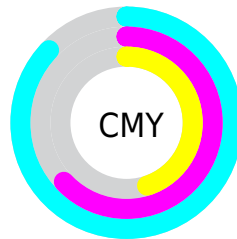
- Red (13%)
- Green (37%)
- Blue (55%)



- Red (13%)
- Yellow (28%)
- Blue (55%)



- Cyan (76%)
- Magenta (33%)
- Yellow (0%)
- Black (45%)



- Cyan (87%)
- Magenta (63%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 225E8D 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 225E8D by changing the saturation by 10% instead.



■ 225E8D

■ 225E8D

FFFFFF

■ 004773

■ 5E90C3

■ 00305A

■ 7AABDF

■ 001C43

■ 96C6FC

■ 00032C

■ B2E2FF

■ 000117

■ CFFEFF

■ 000000

■ ECFFFF

■ 225E8D

■ 225E8D

■ 14588D

■ 30648D

06528D

3E6A8D

004F8D

4C718D

5A778D

697D8D

77838D

85898D

93908D

A1968D

# Harmonies

## Analogous

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



006484



225E8D



565588

# Triad

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



225E8D



8A4645



34643C

# Complementary

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



225E8D



8D5122

# 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.



535F2A



225E8D



804E31

# Square

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



225E8D



87455F



6D5826



006756

# Rectangle

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



225E8D



6D4E7E



6D5826



3F6335



# Sweetspot

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



225E8D



8DA5B8



228D50



42515C



DBDBDB



5C5C5C



# Same Dimension

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



225E8D



116EB8



22298D



404447



004C87



000408



# Inverse Universe

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



8D225E



B8116E



8D8622



474044



87004C



080004



# Previews

## White Background



This preview shows how the Hex color 225E8D looks on a white background.

## Color Contrast Check

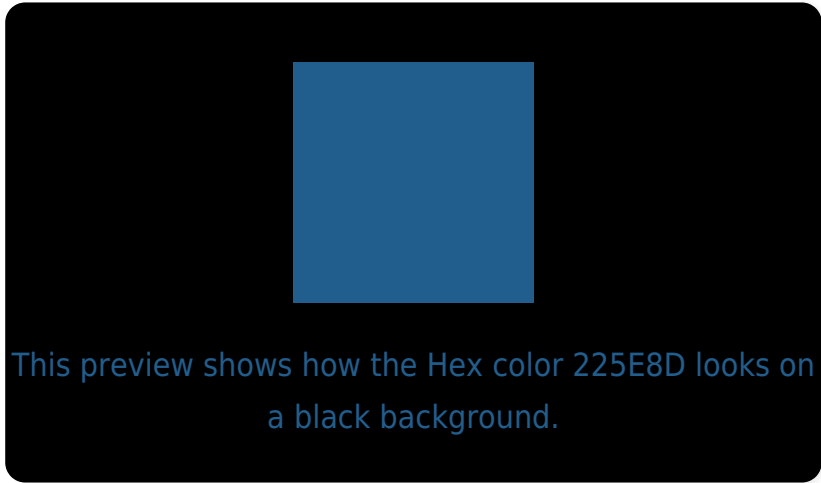
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

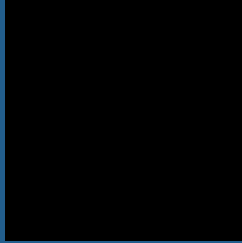
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 225E8D Background



This preview shows how black text looks on a background with the Hex color 225E8D.



This preview shows how white text looks on a background with the Hex color 225E8D.

# 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](#).

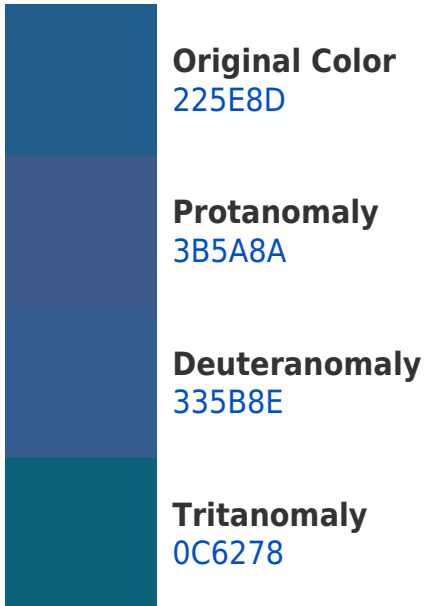
## Dichromacy



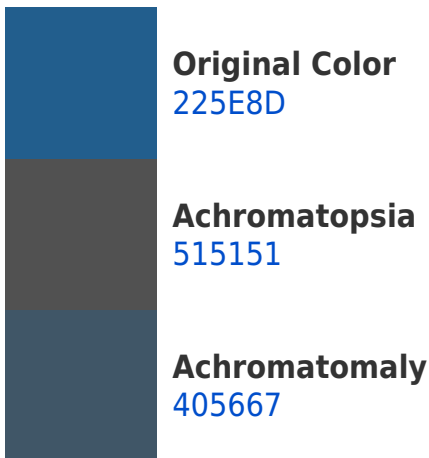


**Tritanopia**  
00646C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 225E8D 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 #225E8D looks like.

```
.text, #text, p{  
    color:#225E8D  
}
```

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 #225E8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #225E8D
}
```

## Border

The CSS property to change the border of an element to Hex 225E8D 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
#225E8D }
```

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

```
.border{ border-color:#225E8D }
```

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

Here you see how a box with a 4 pixel #225E8D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #225E8D; -webkit-box-shadow:4px 4px  
4px 4px #225E8D; box-shadow:4px 4px 4px  
4px #225E8D }
```

# Background

The CSS property to change the background color of an element to Hex 225E8D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#225E8D }
```

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

```
.background{ background-color:#225E8D }
```

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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