

Converting Colors

Hex(224E70)

Have a look what the booklet for
Hex(224E70) contains.

Hex(224E70)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(224E70)

Conversions

Conversions Part 1

Format	Color
Hex	224E70
RGB	34, 78, 112
RGB Percent	13%, 31%, 44%
CMY	0.8667, 0.6941, 0.5608
CMYK	0.70, 0.30, 0.00, 0.56
HSL	206°, 53%, 29%
HSV	206°, 70%, 44%
XYZ	6.3087, 6.9587, 16.3399
YIQ	68.7200, -37.1380, 1.2460

Conversions

Conversions Part 2

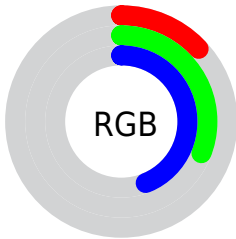
Format	Color
R _Y B	34, 62, 112
Decimal	2248304
CIE Lab	31.71, -3.21, -24.02
CIE LCh	32, 24.233, 262.377
Yxy	6.9587, 0.2131, 0.2350
Android (android.graphics.Color)	4280438384 (0xFF224E70)
YUV	68.7200, 21.3370, -30.4494
Hunter-Lab	26.3794, -3.4751, -18.2598




Details

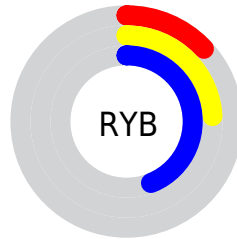
The Hex color **224E70** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **704422**, and the grayscale version is **454545**.




A 20% lighter version of the original color is **587FA4**, and **002240** is the 20% darker color. If you saturate the color by 10%, you get **174970**, and if you desaturate by 10%, it is **2D5370**.

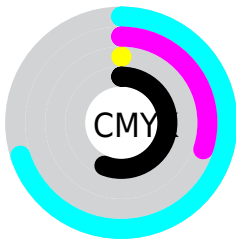
Distribution







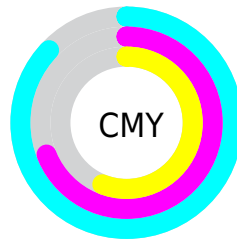
-  Red (13%)
-  Green (31%)
-  Blue (44%)






-  Red (13%)
-  Yellow (24%)
-  Blue (44%)



-  Cyan (70%)
-  Magenta (30%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (87%)
-  Magenta (69%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 224E70 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 224E70 by changing the saturation by 10% instead.

■ 224E70

■ 224E70

FFFFFF

■ 003757

■ 587FA4

■ 002240

■ 7299BF

■ 000B2A

■ 8DB3DB

■ 000114

■ A9CFF8

■ 000000

■ C5EBFF

■ E2FFFF

■ 224E70

■ 224E70

■ 174970

■ 2D5370

■ 0C4470

■ 385870

■ 003F70

■ 445D70

■ 4F6270

■ 5A6670

■ 656B70

■ 707070

■ 7C7570

■ 877A70

Harmonies

Analogous

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



005268



224E70



45486E

Triad

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



224E70



6F3C3D



325233

Complementary

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



224E70



704422

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.



484E27



224E70



69412D

Square

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



224E70



6C3C50



5B4825



145445

Rectangle

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



224E70



574367



5B4825



3A512E

Sweetspot

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



224E70



738491



227044



37424A



C9C9C9



4A4A4A

Same Dimension

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



224E70



175C91



222770



323638



004478



008CF7

Inverse Universe

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



70224E



91175C



706B22



383236



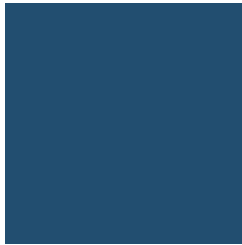
780044



F7008C

Previews

White Background



This preview shows how the Hex color 224E70 looks on a white background.

Color Contrast Check

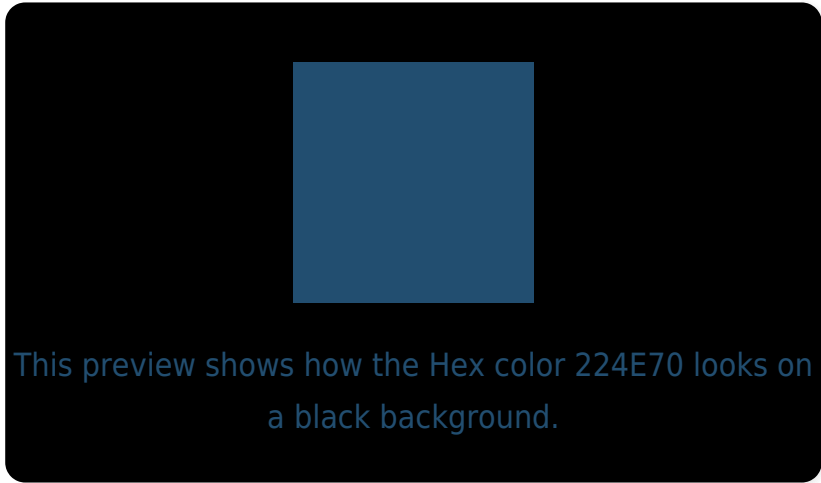
Large Text (above 18pt) WCAG AA ✓ Pass

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

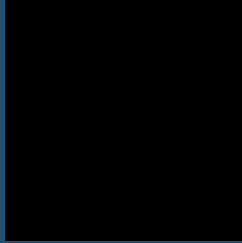
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

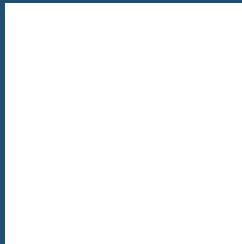
Any Text WCAG AAA × Fail

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

Hex 224E70 Background



This preview shows how black text looks on a background with the Hex color 224E70.

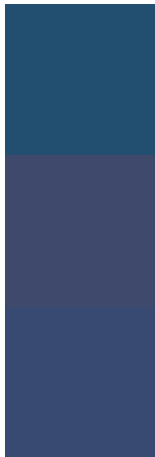


This preview shows how white text looks on a background with the Hex color 224E70.

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
224E70

Protanopia
3F496C

Deuteranopia
384A71



Tritanopia
115259

Trichromacy



Original Color
224E70

Protanomaly
344B6D

Deuteranomaly
304B71

Tritanomaly
175161

Monochromacy



Original Color
224E70

Achromatopsia
454545

Achromatomaly
384855

CSS Examples

Text

The CSS property to change the color of the text to Hex 224E70 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 #224E70 looks like.

```
.text, #text, p{  
    color:#224E70  
}
```

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 #224E70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #224E70
}
```

Border

The CSS property to change the border of an element to Hex 224E70 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
#224E70 }
```

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

```
.border{ border-color:#224E70 }
```

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

Here you see how a box with a 4 pixel #224E70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #224E70; -webkit-box-shadow:4px 4px  
4px 4px #224E70; box-shadow:4px 4px 4px  
4px #224E70 }
```

Background

The CSS property to change the background color of an element to Hex 224E70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#224E70 }
```

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

```
.background{ background-color:#224E70 }
```

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