Converting Colors

Hex(164E50)

Have a look what the booklet for Hex(164E50) contains.

Hex(164E50) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

Hex(164E50)

Conversions

Conversions Part 1

Format	Color
Hex	164E50
RGB	22, 78, 80
RGB Percent	9%, 31%, 31%
CMY	0.9137, 0.6941, 0.6863
CMYK	0.72, 0.02, 0.00, 0.69
HSL	182°, 57%, 20%
HSV	182°, 72%, 31%
XYZ	4.5032, 6.1985, 8.5485
YIQ	61.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

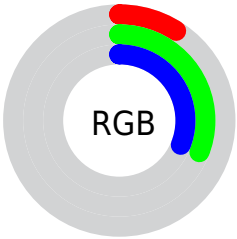
Format	Color
RYB	22, 50, 80
Decimal	1461840
CIELab	29.91, -16.95, -6.49
CIELCh	30, 18.153, 200.940
Yxy	6.1985, 0.2339, 0.3220
Android (android.graphics.Color)	4279651920 (0xFF164E50)
YUV	61.4840, 9.1284, -34.6275
Hunter-Lab	24.8969, -11.2832, -2.9298

Details

The Hex color 164E50 is a dark color, and the websafe version is hex 336666. A complement of this color would be 501816, and the grayscale version is 3D3D3D.

A 20% lighter version of the original color is 4B7F81, and 002124 is the 20% darker color. If you saturate the color by 10%, you get 0E4E50, and if you desaturate by 10%, it is 1E4E50.

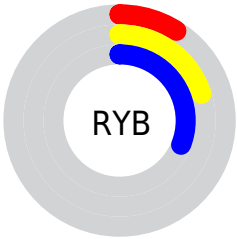
Distribution



Red (9%)

Green (31%)

Blue (31%)



Red (9%)

Yellow (20%)

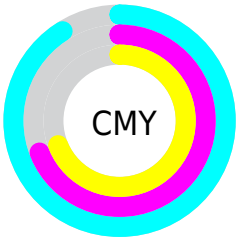
Blue (31%)

Cyan (72%)

Magenta (2%)

Yellow (0%)

Black (69%)



Cyan (91%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Hex color 164E50 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 164E50 by changing the saturation by 10% instead.

164E50

FFFFFF

4B7F81

65999B

7FB4B6

9AD0D2

B5ECEE

D1FFFF

EEFFFF

164E50

164E50

003739

002124

00010F

000000

164E50

164E50

0E4E50

064D50

004D50

1E4E50

264F50

2E4F50

364F50

3E4F50

465050

4E5050

565050

5E5050

Harmonies

Analogous

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

254E42

164E50

184C5C

Triad

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

164E50

543F58

54442B

Complementary

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

164E50

501816

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.

5E3F31

164E50

5F3C4B

Square

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

164E50

424461

623C3D

46492C

Rectangle

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

164E50

254A61

623C3D

58422C

Sweetspot

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

164E50

526869

165018

283536

B5B5B5

363636

Same Dimension

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

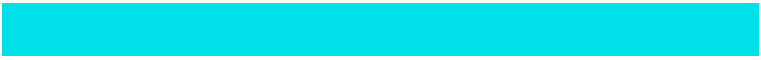
164E50

0E6569

163150

252929

006569



00E0E8

Inverse Universe

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

50164E

690E65

503516

292529

690065

E800E0

Previews

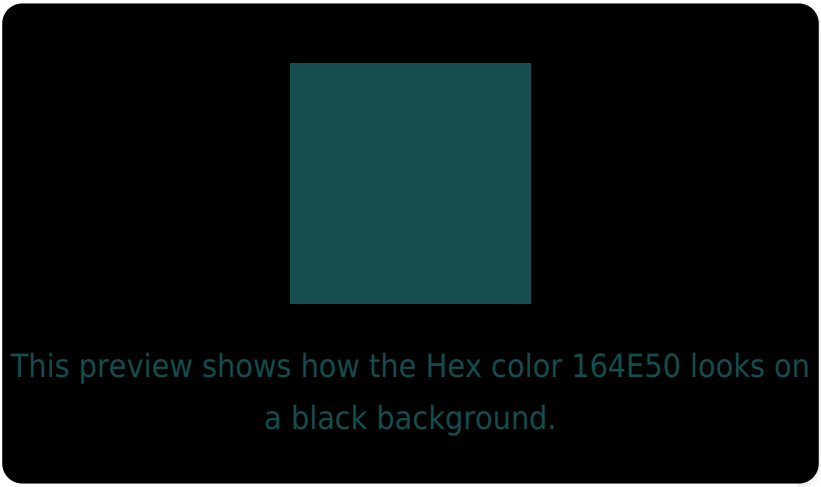
White Background

This preview shows how the Hex color 164E50 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

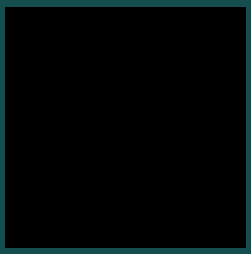


Color Contrast Check

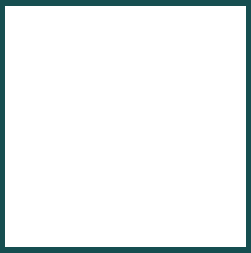
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Hex 164E50 Background



This preview shows how black text looks on a background with the Hex color 164E50.

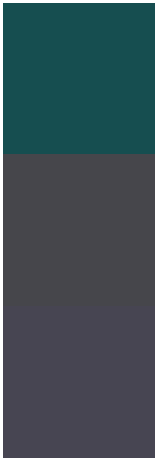


This preview shows how white text looks on a background with the Hex color 164E50.

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
164E50

Protanopia
46464B

Deuteranopia
474552

Tritanopia
184D54

Trichromacy

Original Color
164E50

Protanomaly
35494D

Deuteranomaly
354851

Tritanomaly
174D53

Monochromacy

Original Color
164E50

Achromatopsia
3D3D3D

Achromatomaly
2F4344

CSS Examples

Text

The CSS property to change the color of the text to Hex 164E50 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 #164E50 looks like.

```
.text, #text, p{
    color:#164E50
}
```

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 #164E50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #164E50
}
```

Border

The CSS property to change the border of an element to Hex 164E50 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
#164E50 }
```

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

```
.border{ border-color:#164E50 }
```

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

Here you see how a box with a 4 pixel #164E50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #164E50; -webkit-box-shadow:4px 4px 4px 4px #164E50; box-shadow:4px 4px 4px 4px #164E50 }
```

Background

The CSS property to change the background color of an element to Hex 164E50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:#164E50 }
```

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

```
.background{ background-color:#164E50 }
```

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