

# Converting Colors

Hex(135D55)

Have a look what the booklet for  
Hex(135D55) contains.

<b>Hex(135D55)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(135D55)

# Conversions

## Conversions Part 1

Format	Color
Hex	135D55
RGB	19, 93, 85
RGB Percent	7%, 36%, 33%
CMY	0.9255, 0.6353, 0.6667
CMYK	0.80, 0.00, 0.09, 0.64
HSL	174°, 66%, 22%
HSV	174°, 80%, 36%
XYZ	5.8226, 8.6230, 9.9519
YIQ	69.9620, -41.5360, -18.1760

# Conversions

## Conversions Part 2

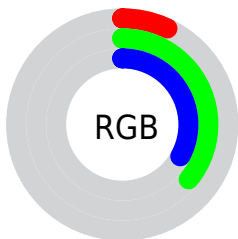
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 58, 93
Decimal	1269077
CIE <sub>Lab</sub>	35.25, -23.79, -1.73
CIE <sub>LCh</sub>	35, 23.856, 184.162
Yxy	8.6230, 0.2387, 0.3534
Android (android.graphics.Color)	4279459157 (0xFF135D55)
YUV	69.9620, 7.4137, -44.6937
Hunter-Lab	29.3650, -15.9951, 0.4620

# Details

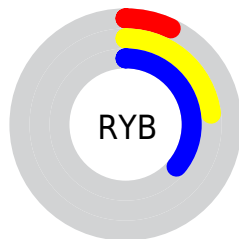
The Hex color **135D55** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5D131B**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **4C9087**, and **002E28** is the 20% darker color. If you saturate the color by 10%, you get **0A5D54**, and if you desaturate by 10%, it is **1C5D56**.

# Distribution



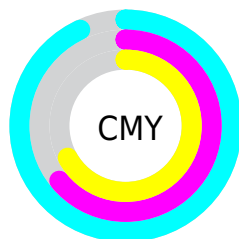
- Red (7%)
- Green (36%)
- Blue (33%)



- Red (7%)
- Yellow (23%)
- Blue (36%)



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (64%)



- Cyan (93%)
- Magenta (64%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 135D55 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 135D55 by changing the saturation by 10% instead.



 135D55

 135D55

FFFFFF

 00453E

 4C9087

 002E28

 67AAA1

 001B14

 82C6BC

 000000


 9DE2D7

 B9FFF4

 D5FFFF

 F2FFFF

 135D55

 135D55

■ 0A5D54

■ 1C5D56

■ 005D53

■ 265D57

■ 2F5D58

■ 385D59

■ 425D5A

■ 4B5D5B

■ 545D5C

■ 5D5D5D

■ 675D5E

# Harmonies

## Analogous

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



315C42



135D55



005C68

# Triad

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



135D55



584D72



6D4C31

# Complementary

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



135D55



5D131B

# 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.



76463E



135D55



6D4764

# Square

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



135D55



3B5479



774451



5D532C

# Rectangle

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



135D55



035B71



774451



714A35



# Sweetspot

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



135D55



5B7875



1C5D13



2B3D3B



BDBDBD



3D3D3D



# Same Dimension

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



135D55



06786C



13415D



292E2D



006E62



00EDD4



# Inverse Universe

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



5D131B



780612



5D2F13



2E292A



6E000C



ED001A



# Previews

## White Background



This preview shows how the Hex color 135D55 looks on a white background.

## Color Contrast Check

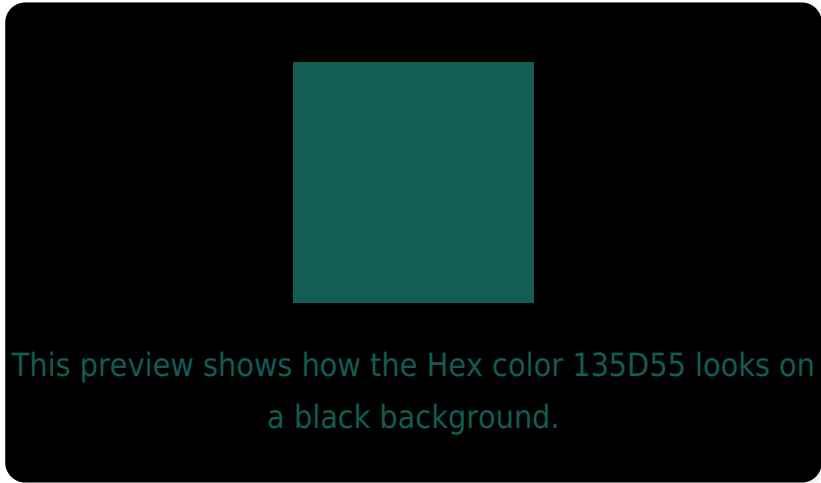
Large Text (above 18pt) WCAG AA ✓ Pass

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

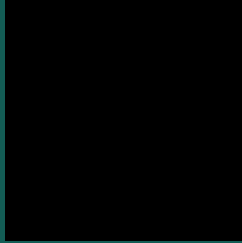
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 135D55 Background



This preview shows how black text looks on a background with the Hex color 135D55.



This preview shows how white text looks on a background with the Hex color 135D55.

# 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**  
135D55

**Protanopia**  
5524F

**Deuteranopia**  
585058



**Tritanopia**  
1D5B62

# Trichromacy



**Original Color**  
135D55

**Protanomaly**  
3D5651

**Deuteranomaly**  
3F5557

**Tritanomaly**  
195C5D

# Monochromacy



**Original Color**  
135D55

**Achromatopsia**  
464646

**Achromatomaly**  
334E4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 135D55 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 #135D55 looks like.

```
.text, #text, p{  
    color:#135D55  
}
```

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 #135D55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #135D55
}
```

## Border

The CSS property to change the border of an element to Hex 135D55 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
#135D55 }
```

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

```
.border{ border-color:#135D55 }
```

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

Here you see how a box with a 4 pixel #135D55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #135D55; -webkit-box-shadow:4px 4px  
4px 4px #135D55; box-shadow:4px 4px 4px  
4px #135D55 }
```

# Background

The CSS property to change the background color of an element to Hex 135D55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#135D55 }
```

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

```
.background{ background-color:#135D55 }
```

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