

Converting Colors

CIELCh(41, 25.149, 237.335)

Have a look what the booklet for
CIELCh(41, 25.149, 237.335)
contains.

CIELCh(41, 25.118, 236.912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 25.118, 236.912)

Conversions

Conversions Part 1

Format	Color
Hex	196983
RGB	25, 105, 131
RGB Percent	10%, 41%, 51%
CMY	0.9006, 0.5897, 0.4878
CMYK	0.81, 0.20, 0.00, 0.49
HSL	195°, 67%, 31%
HSV	195°, 81%, 51%
XYZ	9.4921, 11.8645, 23.1215
YIQ	84.0440, -56.0260, -8.8740

Conversions

Conversions Part 2

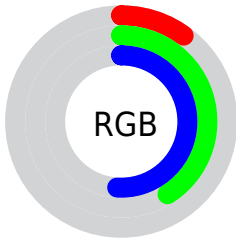
Format	Color
R_{YB}	25, 71, 131
Decimal	1665411
CIE _{Lab}	41.00, -13.71, -21.04
CIE _{LCh}	41, 25.118, 236.912
Yxy	11.8645, 0.2134, 0.2667
Android (android.graphics.Color)	4279855491 (0xFF196983)
YUV	84.0440, 23.1493, -51.7816
Hunter-Lab	34.4449, -11.0887, -15.6875

Details

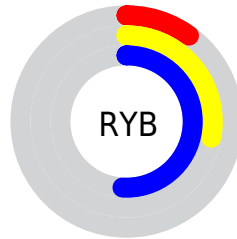
The CIELCh color **41, 25.118, 236.912** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 46.197, 45.048**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 25.169, 237.157**, and **22, 20.142, 248.383** is the 20% darker color. If you saturate the color by 10%, you get **40, 26.457, 240.470**, and if you desaturate by 10%, it is **42, 23.377, 233.982**.

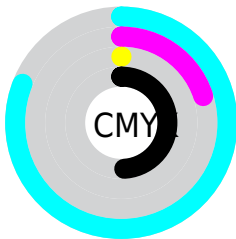
Distribution



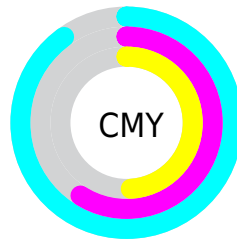
- Red (10%)
- Green (41%)
- Blue (51%)



- Red (10%)
- Yellow (28%)
- Blue (51%)



- Cyan (81%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)





- Cyan (90%)
- Magenta (59%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 25.118, 236.912 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 CIELCh color 41, 25.118, 236.912 by changing the saturation by 10% instead.


 41, 25.118,
236.912


 41, 25.118,
236.912


 100, 25.118,
236.912


 31, 25.118,
236.912

 61, 25.118,
236.912


 21, 25.118,
236.912

 71, 25.118,
236.912

 11, 25.118,
236.912


 81, 25.118,
236.912

 1, 25.118, 236.912

 91, 25.118,
236.912

 0, 25.118, 236.912

 41, 25.118,

 41, 25.118,

236.912

236.912

■ 40, 26.457,
240.470

■ 42, 23.377,
233.982

■ 39, 27.551,
244.131

■ 44, 21.194,
231.621

■ 45, 18.570,
229.747

■ 47, 15.532,
228.279

■ 49, 12.128,
227.143

■ 51, 8.411, 226.278

■ 53, 4.435, 225.651

■ 54, 0.252, 226.595

■ 56, 4.094, 44.596

Harmonies

Complementary

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



41, 25.118, 236.912



32, 46.197, 45.048

Rectangle

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



41, 25.118, 236.912



41, 25.118, 286.912



41, 25.118, 56.912



41, 25.118, 106.912

Sweetspot

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



41, 25.117, 236.912



64, 12.077, 226.593



48, 57.997, 143.003



33, 8.284, 226.863



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



41, 25.117, 236.912



51, 33.323, 244.041



25, 50.418, 292.992



27, 2.401, 225.583



38, 27.464, 244.111



0, 0.587, 225.054

Inverse Universe

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



31, 54.755, 338.386



38, 70.657, 340.646



45, 44.851, 85.782



26, 4.437, 332.759



28, 58.338, 340.678



0, 1.056, 332.220

Previews

White Background



This preview shows how the CIE LCh color 41, 25.118, 236.912 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



This preview shows how the CIELCh color 41, 25.118, 236.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

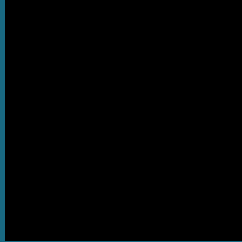
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 25.118, 236.912

Background



This preview shows how black text looks on a background with the CIELCh color 41, 25.118, 236.912.

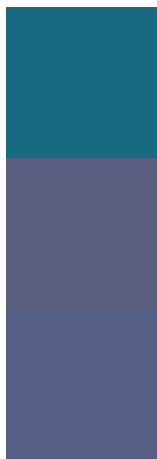


This preview shows how white text looks on a background with the CIELCh color 41, 25.118, 236.912.

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

41, 25.208, 236.736

Protanopia

41, 17.694, 285.720

Deuteranopia

41, 23.207, 285.055



Tritanopia
41, 25.516, 209.195

Trichromacy



Original Color
41, 25.208, 236.736

Protanomaly
40, 19.597, 259.884

Deuteranomaly
40, 22.917, 264.209

Tritanomaly
41, 24.846, 218.729

Monochromacy



Original Color
41, 25.208, 236.736

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 11.813, 230.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 25.118, 236.912 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 `rgb(25, 105, 131)` looks like.

```
.text, #text, p{  
    color:rgb(25, 105, 131)  
}
```

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 rgb(25, 105, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 105, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 25.118, 236.912 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 rgb(25, 105, 131) }
```

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

```
.border{ border-color:rgb(25, 105, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 105, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 105, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 105, 131);  
box-shadow:4px 4px 4px 4px rgb(25, 105,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 25.118, 236.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 105, 131) }
```

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

```
.background{ background-color: rgb(25, 105,  
131) }
```

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