

Converting Colors

CIELCh(40, 25.927, 165.239)

Have a look what the booklet for
CIELCh(40, 25.927, 165.239)
contains.

CIELCh(40, 25.927, 165.239)	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(40, 25.927, 165.239)

Conversions

Conversions Part 1

Format	Color
Hex	2E6953
RGB	46, 105, 83
RGB Percent	18%, 41%, 33%
CMY	0.8206, 0.5892, 0.6754
CMYK	0.56, 0.00, 0.21, 0.59
HSL	158°, 39%, 30%
HSV	158°, 56%, 41%
XYZ	7.6957, 11.2510, 9.9041
YIQ	84.8510, -28.1020, -19.3500

Conversions

Conversions Part 2

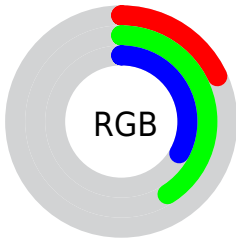
Format	Color
R_{YB}	46, 82, 105
Decimal	3041619
CIE _{Lab}	40.00, -25.07, 6.61
CIE _{LCh}	40, 25.927, 165.239
Yxy	11.2510, 0.2667, 0.3900
Android (android.graphics.Color)	4281231699 (0xFF2E6953)
YUV	84.8510, -0.9125, -34.0723
Hunter-Lab	33.5425, -17.7460, 5.9732

Details

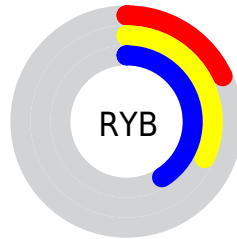
The CIELCh color $40, 25.927, 165.239$ is a dark color, and the websafe version is hex 006666 . A complement of this color would be $28, 29.045, 358.025$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 26.297, 164.623$, and $20, 23.969, 162.838$ is the 20% darker color. If you saturate the color by 10%, you get $40, 29.664, 163.798$, and if you desaturate by 10%, it is $41, 21.822, 166.531$.

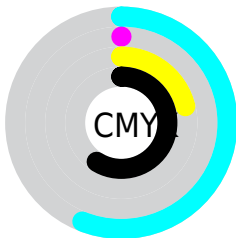
Distribution



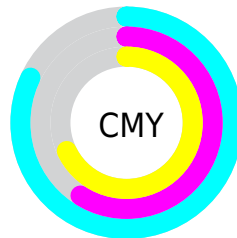
- Red (18%)
- Green (41%)
- Blue (33%)



- Red (18%)
- Yellow (32%)
- Blue (41%)



- Cyan (56%)
- Magenta (0%)
- Yellow (21%)
- Black (59%)





- Cyan (82%)
- Magenta (59%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.927, 165.239 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 40, 25.927, 165.239 by changing the saturation by 10% instead.


 40, 25.927,
165.239


 40, 25.927,
165.239


 100, 25.927,
165.239


 30, 25.927,
165.239

 60, 25.927,
165.239


 20, 25.927,
165.239

 70, 25.927,
165.239

 10, 25.927,
165.239

 80, 25.927,
165.239

 0, 25.927, 165.239

 90, 25.927,
165.239

 40, 25.927,

 40, 25.927,

165.239

165.239

■ 40, 29.664,
163.798

■ 41, 21.822,
166.531

■ 39, 32.979,
162.191

■ 41, 17.415,
167.698

■ 39, 35.841,
160.401

■ 42, 12.781,
168.761

■ 39, 38.339,
158.504

■ 43, 7.990, 169.741

■ 39, 39.251,
157.857

■ 44, 3.107, 170.687

■ 45, 1.812, 351.268

■ 46, 6.723, 352.156

■ 47, 11.589,
352.901

■ 48, 16.385,
353.597

Harmonies

Complementary

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



40, 25.927, 165.239



28, 29.045, 358.025

Rectangle

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



40, 25.927, 165.239



40, 25.927, 215.239



40, 25.927, 345.239



40, 25.927, 35.239

Sweetspot

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



40, 25.927, 165.238



54, 10.248, 169.632



40, 37.921, 130.548



28, 6.902, 169.501



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 25.927, 165.238



50, 37.057, 163.251



38, 17.773, 211.283



22, 2.809, 170.430



43, 42.765, 157.542



86, 75.475, 156.116

Inverse Universe

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



28, 29.045, 358.025



33, 42.133, 0.987



29, 26.930, 33.453



21, 2.863, 351.842



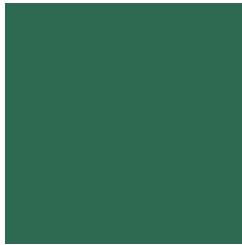
24, 47.809, 11.951



52, 82.984, 15.372

Previews

White Background



This preview shows how the CIELCh color 40, 25.927, 165.239 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 40, 25.927, 165.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

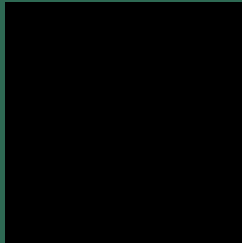
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.927, 165.239

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.927, 165.239.



This preview shows how white text looks on a background with the CIELCh color 40, 25.927, 165.239.

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
40, 25.927, 165.239

Protanopia
40, 10.544, 96.262

Deuteranopia
40, 7.466, 39.168



Tritanopia
40, 16.613, 214.847

Trichromacy



Original Color
40, 25.927, 165.239

Protanomaly
40, 13.938, 141.974

Deuteranomaly
39, 7.726, 146.357

Tritanomaly
40, 18.269, 191.389

Monochromacy



Original Color
40, 25.927, 165.239

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.051, 168.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.927, 165.239 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(46, 105, 83)` looks like.

```
.text, #text, p{  
    color:rgb(46, 105, 83)  
}
```

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(46, 105, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 105, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.927, 165.239 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(46, 105, 83) }
```

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

```
.border{ border-color:rgb(46, 105, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 105, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 105, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 105, 83);  
box-shadow:4px 4px 4px 4px rgb(46, 105,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.927, 165.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 105, 83) }
```

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

```
.background{ background-color: rgb(46, 105,  
83) }
```

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