

Converting Colors

CIELCh(33, 40.050, 283.475)

Have a look what the booklet for
CIELCh(33, 40.050, 283.475)
contains.

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Color

CIELCh(33, 40.047, 283.725)

Conversions

Conversions Part 1

Format	Color
Hex	284C8B
RGB	40, 76, 139
RGB Percent	16%, 30%, 55%
CMY	0.8416, 0.7009, 0.4537
CMYK	0.71, 0.45, 0.00, 0.45
HSL	218°, 55%, 35%
HSV	218°, 71%, 55%
XYZ	8.1750, 7.5373, 25.5664
YIQ	72.4180, -41.6790, 11.9610

Conversions

Conversions Part 2

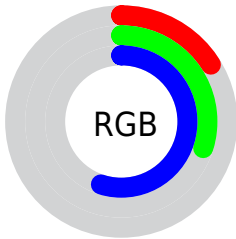
Format	Color
R_{YB}	40, 66, 139
Decimal	2641035
CIE _{Lab}	33.00, 9.50, -38.90
CIE _{LCh}	33, 40.047, 283.725
Yxy	7.5373, 0.1980, 0.1826
Android (android.graphics.Color)	4280831115 (0xFF284C8B)
YUV	72.4180, 32.8249, -28.4306
Hunter-Lab	27.4541, 5.1070, -35.9956

Details

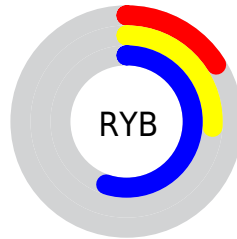
The CIELCh color **33, 40.047, 283.725** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **46, 40.572, 79.150**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 40.253, 284.158**, and **14, 38.800, 290.966** is the 20% darker color. If you saturate the color by 10%, you get **30, 46.115, 287.169**, and if you desaturate by 10%, it is **36, 34.129, 280.606**.

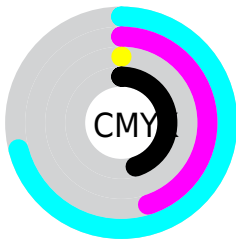
Distribution



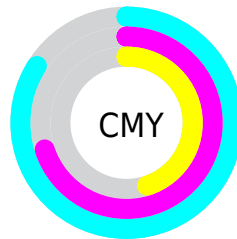
- Red (16%)
- Green (30%)
- Blue (55%)



- Red (16%)
- Yellow (26%)
- Blue (55%)



- Cyan (71%)
- Magenta (45%)
- Yellow (0%)
- Black (45%)





- Cyan (84%)
- Magenta (70%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 40.047, 283.725 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 33, 40.047, 283.725 by changing the saturation by 10% instead.


 33, 40.047,
283.725


 33, 40.047,
283.725

 100, 40.047,
283.725


 23, 40.047,
283.725

 53, 40.047,
283.725


 13, 40.047,
283.725


 63, 40.047,
283.725

 3, 40.047, 283.725

 73, 40.047,
283.725

 0, 40.047, 283.725

 83, 40.047,
283.725

 93, 40.047,
283.725

■ 33, 40.047,
283.725

■ 33, 40.047,
283.725

■ 30, 46.115,
287.169

■ 36, 34.129,
280.606

■ 27, 52.333,
290.821

■ 40, 28.337,
277.853

■ 24, 58.022,
293.963

■ 43, 22.640,
275.465

■ 47, 17.021,
273.411

■ 50, 11.468,
271.654

■ 54, 5.978, 270.156

■ 58, 0.552, 269.183

■ 61, 4.808, 87.650

Harmonies

Complementary

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



33, 40.047, 283.725



46, 40.572, 79.150

Rectangle

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



33, 40.047, 283.725



33, 40.047, 333.725



33, 40.047, 103.725



33, 40.047, 153.725

Sweetspot

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



33, 40.047, 283.726



64, 14.199, 271.726



52, 38.989, 163.107



33, 9.699, 272.128



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



33, 40.047, 283.726



37, 60.280, 289.279



24, 63.756, 303.793



27, 3.032, 269.905



23, 55.707, 293.776



0, 1.401, 268.704

Inverse Universe

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



33, 44.582, 2.617



40, 61.657, 8.053



55, 52.022, 110.684



27, 3.517, 352.520



27, 52.407, 13.608



0, 1.608, 351.757

Previews

White Background



This preview shows how the CIELCh color 33, 40.047, 283.725 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



This preview shows how the CIE LCh color 33, 40.047, 283.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

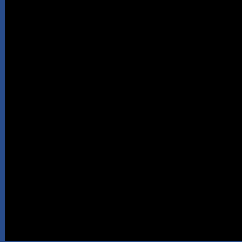
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 40.047, 283.725

Background



This preview shows how black text looks on a background with the CIELCh color 33, 40.047, 283.725.



This preview shows how white text looks on a background with the CIELCh color 33, 40.047, 283.725.

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

33, 40.047, 283.725

Protanopia

33, 39.869, 286.049

Deuteranopia

33, 38.931, 276.770



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 40.047, 283.725

Protanomaly
33, 39.930, 285.472

Deuteranomaly
33, 39.287, 278.940

Tritanomaly
32, 23.603, 247.061

Monochromacy



Original Color
33, 40.047, 283.725

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 15.202, 274.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 40.047, 283.725 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(40, 76, 139)` looks like.

```
.text, #text, p{  
    color:rgb(40, 76, 139)  
}
```

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(40, 76, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 76, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 40.047, 283.725 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(40, 76, 139) }
```

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

```
.border{ border-color:rgb(40, 76, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 76, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 76, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 76, 139);  
box-shadow:4px 4px 4px 4px rgb(40, 76,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 40.047, 283.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 76, 139) }
```

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

```
.background{ background-color: rgb(40, 76,  
139) }
```

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](#).

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