

Converting Colors

CIELCh(37, 44.795, 279.495)

Have a look what the booklet for
CIELCh(37, 44.795, 279.495)
contains.

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Color

CIELCh(37, 45.324, 280.003)

Conversions

Conversions Part 1

Format	Color
Hex	16579F
RGB	22, 87, 159
RGB Percent	9%, 34%, 62%
CMY	0.9151, 0.6578, 0.3753
CMYK	0.86, 0.45, 0.00, 0.38
HSL	211°, 76%, 35%
HSV	211°, 86%, 62%
XYZ	10.0354, 9.5379, 34.2471
YIQ	75.7730, -61.8520, 8.6120

Conversions

Conversions Part 2

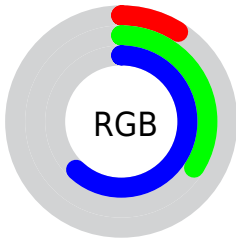
Format	Color
R _Y B	22, 66, 159
Decimal	1464223
CIE Lab	37.00, 7.87, -44.64
CIE LCh	37, 45.324, 280.003
Yxy	9.5379, 0.1865, 0.1772
Android (android.graphics.Color)	4279654303 (0xFF16579F)
YUV	75.7730, 41.0309, -47.1589
Hunter-Lab	30.8835, 3.9564, -44.1289

Details

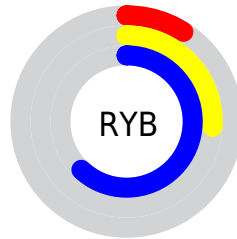
The CIELCh color **37, 45.324, 280.003** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 53.174, 66.058**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 45.319, 280.156**, and **19, 43.579, 290.121** is the 20% darker color. If you saturate the color by 10%, you get **34, 50.640, 284.297**, and if you desaturate by 10%, it is **40, 40.141, 275.928**.

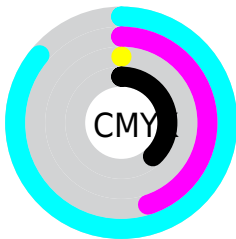
Distribution



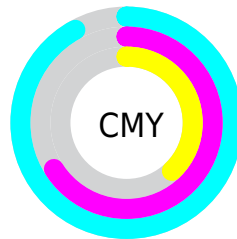
- Red (9%)
- Green (34%)
- Blue (62%)



- Red (9%)
- Yellow (26%)
- Blue (62%)



- Cyan (86%)
- Magenta (45%)
- Yellow (0%)
- Black (38%)





- Cyan (92%)
- Magenta (66%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 45.324, 280.003 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 37, 45.324, 280.003 by changing the saturation by 10% instead.


 37, 45.324,
280.003


 37, 45.324,
280.003

 100, 45.324,
280.003

 27, 45.324,
280.003

 57, 45.324,
280.003


 17, 45.324,
280.003


 67, 45.324,
280.003

 7, 45.324, 280.003

 77, 45.324,
280.003

 0, 45.324, 280.003

 87, 45.324,
280.003

 97, 45.324,
280.003

■ 37, 45.324,
280.003

■ 37, 45.324,
280.003

■ 34, 50.640,
284.297

■ 40, 40.141,
275.928

■ 33, 52.606,
285.742

■ 43, 35.021,
272.243

■ 46, 29.900,
269.010

■ 50, 24.736,
266.229

■ 53, 19.508,
263.864

■ 56, 14.214,
261.866

■ 60, 8.865, 260.182

■ 63, 3.476, 258.795

Harmonies

Complementary

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



37, 45.324, 280.003



46, 53.174, 66.058

Rectangle

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



37, 45.324, 280.003



37, 45.324, 330.003



37, 45.324, 100.003



37, 45.324, 150.003

Sweetspot

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



37, 45.324, 280.004



72, 17.289, 261.880



58, 55.917, 153.169



37, 11.797, 262.493



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 45.324, 280.004



43, 65.034, 286.632



21, 86.074, 304.804



32, 3.043, 259.153



30, 48.103, 285.294



2, 4.075, 260.429

Inverse Universe

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



35, 57.034, 358.585



44, 72.075, 4.610



63, 64.798, 104.121



31, 4.234, 345.649



30, 54.937, 3.212



1, 5.386, 346.312

Previews

White Background



This preview shows how the CIELCh color 37, 45.324, 280.003 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 37, 45.324, 280.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

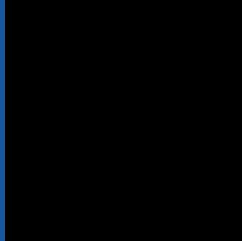
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 45.324, 280.003

Background



This preview shows how black text looks on a background with the CIELCh color 37, 45.324, 280.003.



This preview shows how white text looks on a background with the CIELCh color 37, 45.324, 280.003.

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

37, 45.304, 280.111

Protanopia

37, 44.634, 286.481

Deuteranopia

37, 43.413, 276.328



Tritanopia
37, 23.947, 205.611

Trichromacy



Original Color
37, 45.304, 280.111

Protanomaly
37, 44.906, 283.680

Deuteranomaly
37, 43.846, 277.331

Tritanomaly
37, 25.898, 244.113

Monochromacy



Original Color
37, 45.304, 280.111

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 17.942, 265.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 45.324, 280.003 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(22, 87, 159)` looks like.

```
.text, #text, p{  
    color:rgb(22, 87, 159)  
}
```

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(22, 87, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 87, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 45.324, 280.003 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(22, 87, 159) }
```

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

```
.border{ border-color:rgb(22, 87, 159) }
```

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

Here you see how a box with a 4 pixel rgb(22, 87, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 87, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 87, 159);  
box-shadow:4px 4px 4px 4px rgb(22, 87,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 45.324, 280.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 87, 159) }
```

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

```
.background{ background-color: rgb(22, 87,  
159) }
```

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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