

Converting Colors

CIELCh(25, 34.780, 290.082)

Have a look what the booklet for
CIELCh(25, 34.780, 290.082)
contains.

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Color

CIELCh(25, 34.842, 290.324)

Conversions

Conversions Part 1

Format	Color
Hex	2A386D
RGB	42, 56, 109
RGB Percent	16%, 22%, 43%
CMY	0.8356, 0.7806, 0.5728
CMYK	0.62, 0.49, 0.00, 0.57
HSL	227°, 44%, 30%
HSV	227°, 62%, 43%
XYZ	5.1193, 4.4155, 15.0300
YIQ	57.8560, -25.3570, 13.5150

Conversions

Conversions Part 2

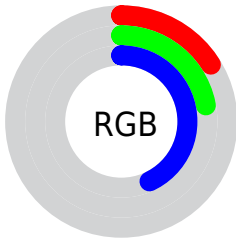
Format	Color
R_{YB}	42, 54, 109
Decimal	2766957
CIE _{Lab}	25.00, 12.10, -32.67
CIE _{LCh}	25, 34.842, 290.324
Yxy	4.4155, 0.2084, 0.1797
Android (android.graphics.Color)	4280957037 (0xFF2A386D)
YUV	57.8560, 25.2140, -13.9057
Hunter-Lab	21.0130, 6.7144, -27.6993

Details

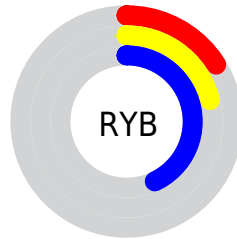
The CIELCh color **25, 34.842, 290.324** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 31.884, 92.804**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 34.591, 290.113**, and **6, 34.862, 295.896** is the 20% darker color. If you saturate the color by 10%, you get **22, 41.159, 292.957**, and if you desaturate by 10%, it is **28, 28.717, 287.960**.

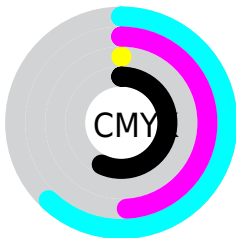
Distribution



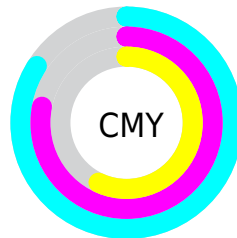
- Red (16%)
- Green (22%)
- Blue (43%)



- Red (16%)
- Yellow (21%)
- Blue (43%)



- Cyan (62%)
- Magenta (49%)
- Yellow (0%)
- Black (57%)





- Cyan (84%)
- Magenta (78%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 34.842, 290.324 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 25, 34.842, 290.324 by changing the saturation by 10% instead.

 25, 34.842,
290.324


 25, 34.842,
290.324

 100, 34.842,
290.324


 15, 34.842,
290.324


 45, 34.842,
290.324

 5, 34.842, 290.324

 55, 34.842,
290.324

 0, 34.842, 290.324

 65, 34.842,
290.324

 75, 34.842,
290.324

 85, 34.842,
290.324

 95, 34.842,

290.324

■ 25, 34.842,
290.324

■ 25, 34.842,
290.324

■ 22, 41.159,
292.957

■ 28, 28.717,
287.960

■ 19, 47.610,
295.783

■ 32, 22.790,
285.883

■ 16, 54.022,
298.655

■ 35, 17.049,
284.080

■ 14, 59.250,
300.763

■ 39, 11.478,
282.526

■ 42, 6.061, 281.190

■ 45, 0.789, 280.143

■ 49, 4.347, 98.979

■ 52, 9.355, 98.113

■ 56, 14.240, 97.347

Harmonies

Complementary

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



25, 34.842, 290.324



41, 31.884, 92.804

Rectangle

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



25, 34.842, 290.324



25, 34.842, 340.324



25, 34.842, 110.324



25, 34.842, 160.324

Sweetspot

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



25, 34.842, 290.325



52, 11.946, 282.102



42, 25.068, 175.872



25, 8.268, 282.418



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



25, 34.842, 290.325



28, 53.558, 294.225



23, 44.594, 305.911



21, 2.909, 280.881



15, 62.944, 301.008



36, 114.063, 302.596

Inverse Universe

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



27, 31.835, 11.503



33, 47.194, 15.878



43, 38.884, 117.951



21, 2.644, 3.273



23, 51.055, 26.307



51, 90.388, 29.813

Previews

White Background



This preview shows how the CIELCh color 25, 34.842, 290.324 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 25, 34.842, 290.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

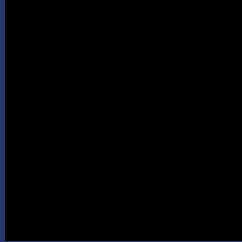
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 34.842, 290.324

Background



This preview shows how black text looks on a background with the CIELCh color 25, 34.842, 290.324.



This preview shows how white text looks on a background with the CIELCh color 25, 34.842, 290.324.

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

25, 34.842, 290.324

Protanopia

25, 35.046, 285.395

Deuteranopia

25, 32.244, 274.738



Tritanopia
25, 14.668, 210.315

Trichromacy



Original Color
25, 34.842, 290.324

Protanomaly
25, 34.976, 287.192

Deuteranomaly
25, 33.060, 278.897

Tritanomaly
25, 17.313, 256.096

Monochromacy



Original Color
25, 34.842, 290.324

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 13.324, 284.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 34.842, 290.324 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(42, 56, 109)` looks like.

```
.text, #text, p{  
    color:rgb(42, 56, 109)  
}
```

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(42, 56, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 56, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 34.842, 290.324 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(42, 56, 109) }
```

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

```
.border{ border-color:rgb(42, 56, 109) }
```

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

Here you see how a box with a 4 pixel rgb(42, 56, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 56, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 56, 109);  
box-shadow:4px 4px 4px 4px rgb(42, 56,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 34.842, 290.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 56, 109) }
```

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

```
.background{ background-color: rgb(42, 56,  
109) }
```

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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