

Converting Colors

CIELCh(16, 24.759, 302.981)

Have a look what the booklet for
CIELCh(16, 24.759, 302.981)
contains.

CIELCh(16, 24.759, 302.981)	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(16, 24.759, 302.981)

Conversions

Conversions Part 1

Format	Color
Hex	2A2245
RGB	42, 34, 69
RGB Percent	16%, 13%, 27%
CMY	0.8338, 0.8653, 0.7279
CMYK	0.39, 0.50, 0.00, 0.73
HSL	254°, 34%, 20%
HSV	254°, 50%, 27%
XYZ	2.6393, 2.0993, 5.9608
YIQ	40.3820, -6.4670, 12.5810

Conversions

Conversions Part 2

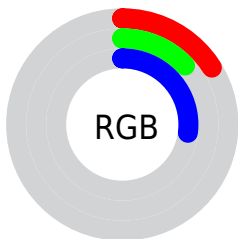
Format	Color
RYB	42, 34, 69
Decimal	2761285
CIELab	16.00, 13.48, -20.77
CIElCh	16, 24.759, 302.981
Yxy	2.0993, 0.2467, 0.1962
Android (android.graphics.Color)	4280951365 (0xFF2A2245)
YUV	40.3820, 14.1087, 1.4190
Hunter-Lab	14.4890, 7.1592, -14.2499

Details

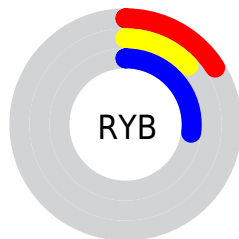
The CIELCh color **16, 24.759, 302.981** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 22.282, 116.243**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 25.317, 303.201**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **13, 30.051, 303.985**, and if you desaturate by 10%, it is **19, 19.556, 302.043**.

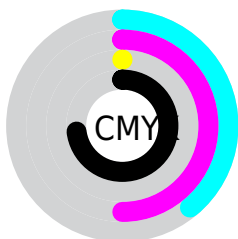
Distribution



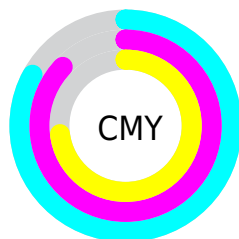
- Red (16%)
- Green (13%)
- Blue (27%)



- Red (16%)
- Yellow (13%)
- Blue (27%)



- Cyan (39%)
- Magenta (50%)
- Yellow (0%)
- Black (73%)



- Cyan (83%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.759, 302.981 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 16, 24.759, 302.981 by changing the saturation by 10% instead.

■ 16, 24.759,
302.981

■ 16, 24.759,
302.981

■ 100, 24.759,
302.981

■ 6, 24.759, 302.981

■ 36, 24.759,
302.981

■ 0, 24.759, 302.981

■ 46, 24.759,
302.981


■ 56, 24.759,
302.981


■ 66, 24.759,
302.981


■ 76, 24.759,
302.981


■ 86, 24.759,


302.981


 96, 24.759,
302.981


 16, 24.759,
302.981

 16, 24.759,
302.981

 13, 30.051,
303.985

 19, 19.556,
302.043

 11, 35.334,
305.014

 21, 14.490,
301.188

 9, 40.424, 305.995

 24, 9.578, 300.421

 7, 44.907, 306.686

 27, 4.825, 299.739

 5, 48.750, 307.071

 29, 0.228, 299.096

 32, 4.219, 118.617

■ 35, 8.524, 118.154

■ 37, 12.695,
117.750

■ 40, 16.739,
117.397

Harmonies

Complementary

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



16, 24.759, 302.981



28, 22.282, 116.243

Rectangle

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



16, 24.759, 302.981



16, 24.759, 352.981



16, 24.759, 122.981



16, 24.759, 172.981

Sweetspot

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



16, 24.759, 302.981



33, 8.569, 300.076



24, 11.245, 224.668



15, 5.906, 300.144



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 24.759, 302.981



18, 37.458, 304.281



18, 25.926, 318.149



13, 2.615, 299.621



10, 65.385, 307.995



30, 120.394, 307.426

Inverse Universe

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



19, 23.398, 334.651



23, 33.935, 335.552



27, 25.152, 133.960



13, 2.661, 332.018



21, 49.024, 339.152



51, 88.511, 340.183

Previews

White Background



This preview shows how the CIELCh color 16, 24.759, 302.981 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 CIELCh color 16, 24.759, 302.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

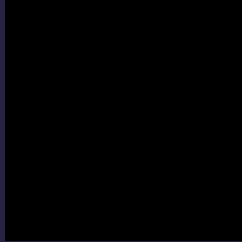
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.759, 302.981

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.759, 302.981.

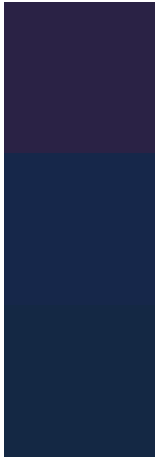


This preview shows how white text looks on a background with the CIELCh color 16, 24.759, 302.981.

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

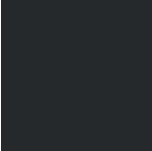
16, 24.759, 302.981

Protanopia

16, 24.682, 284.468

Deuteranopia

16, 20.204, 277.126



Tritanopia
16, 2.755, 248.938

Trichromacy



Original Color
16, 24.759, 302.981

Protanomaly
16, 24.547, 290.311

Deuteranomaly
16, 21.821, 286.941

Tritanomaly
16, 9.816, 292.741

Monochromacy



Original Color
16, 24.759, 302.981

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.535, 301.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.759, 302.981 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, 34, 69)` looks like.

```
.text, #text, p{  
    color:rgb(42, 34, 69)  
}
```

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, 34, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 34, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.759, 302.981 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, 34, 69) }
```

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

```
.border{ border-color:rgb(42, 34, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 34, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 34, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 34, 69);  
box-shadow:4px 4px 4px 4px rgb(42, 34, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.759, 302.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 34, 69) }
```

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

```
.background{ background-color: rgb(42, 34,  
69) }
```

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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