

Converting Colors

CIELCh(16, 19.178, 299.089)

Have a look what the booklet for
CIELCh(16, 19.178, 299.089)
contains.

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Color

CIELCh(16, 19.754, 299.577)

Conversions

Conversions Part 1

Format	Color
Hex	282440
RGB	40, 36, 64
RGB Percent	16%, 14%, 25%
CMY	0.8424, 0.8581, 0.7483
CMYK	0.37, 0.44, 0.00, 0.75
HSL	249°, 28%, 20%
HSV	249°, 44%, 25%
XYZ	2.4491, 2.0993, 5.1550
YIQ	40.3880, -6.6040, 9.5560

Conversions

Conversions Part 2

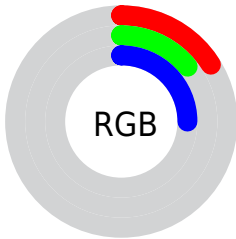
Format	Color
R_{YB}	40, 36, 64
Decimal	2630720
CIE _{Lab}	16.00, 9.75, -17.18
CIE _{LCh}	16, 19.754, 299.577
Yxy	2.0993, 0.2524, 0.2163
Android (android.graphics.Color)	4280820800 (0xFF282440)
YUV	40.3880, 11.6407, -0.3403
Hunter-Lab	14.4890, 4.8165, -10.9523

Details

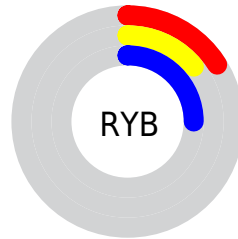
The CIELCh color **16, 19.754, 299.577** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 17.995, 112.917**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 20.114, 299.767**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **13, 24.683, 300.749**, and if you desaturate by 10%, it is **19, 14.966, 298.521**.

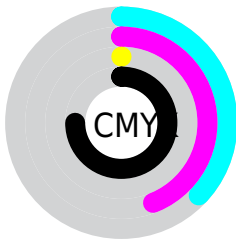
Distribution



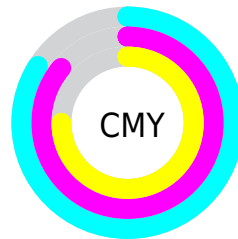
- Red (16%)
- Green (14%)
- Blue (25%)



- Red (16%)
- Yellow (14%)
- Blue (25%)



- Cyan (37%)
- Magenta (44%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (86%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.754, 299.577 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, 19.754, 299.577 by changing the saturation by 10% instead.

■ 16, 19.754,
299.577

■ 16, 19.754,
299.577

■ 100, 19.754,
299.577

■ 6, 19.754, 299.577

■ 36, 19.754,
299.577

■ 0, 19.754, 299.577

■ 46, 19.754,
299.577


■ 56, 19.754,
299.577


■ 66, 19.754,
299.577


■ 76, 19.754,
299.577


■ 86, 19.754,


299.577


 96, 19.754,
299.577


 16, 19.754,
299.577

 16, 19.754,
299.577

 13, 24.683,
300.749

 19, 14.966,
298.521

 11, 29.713,
302.016

 21, 10.336,
297.583

 9, 34.745, 303.332

 24, 5.864, 296.757

 7, 39.232, 304.267

 26, 1.544, 296.035

 5, 42.705, 304.496

 29, 2.632, 115.397

 4, 44.791, 304.609

 31, 6.672, 114.845

■ 34, 10.583,
114.362

■ 36, 14.375,
113.939

■ 39, 18.052,
113.569

Harmonies

Complementary

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



16, 19.754, 299.577



26, 17.995, 112.917

Rectangle

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



16, 19.754, 299.577



16, 19.754, 349.577



16, 19.754, 119.577



16, 19.754, 169.577

Sweetspot

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



16, 19.753, 299.577



32, 6.997, 296.752



24, 9.789, 212.669



15, 4.949, 296.841



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 19.753, 299.577



19, 30.003, 300.830



18, 20.724, 315.252



11, 2.435, 296.377



9, 64.923, 307.214



29, 120.535, 306.781

Inverse Universe

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



19, 20.264, 330.949



24, 29.825, 331.536



25, 19.973, 131.785



12, 2.654, 329.031



21, 51.201, 334.428



52, 93.679, 334.987

Previews

White Background



This preview shows how the CIE LCh color 16, 19.754, 299.577 looks on a white background.

Color Contrast Check

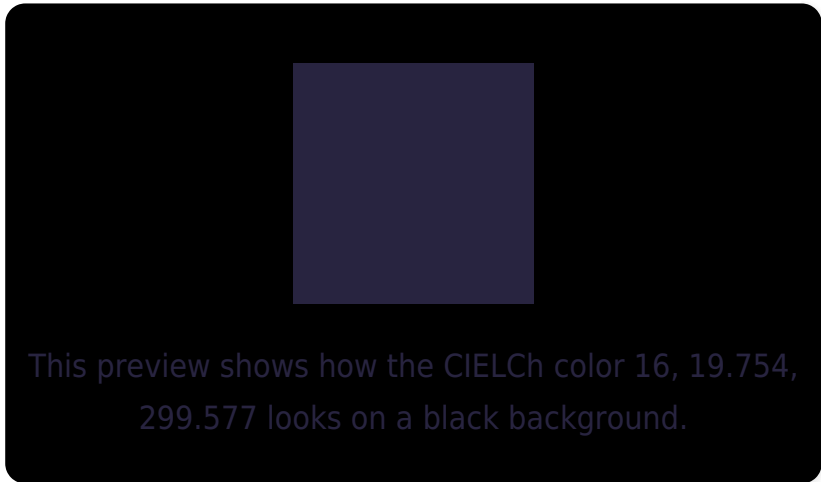
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 19.754, 299.577

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.754, 299.577.



This preview shows how white text looks on a background with the CIELCh color 16, 19.754, 299.577.

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

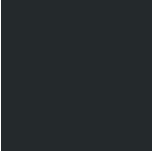
16, 19.754, 299.577

Protanopia

16, 19.773, 284.218

Deuteranopia

16, 16.517, 278.096



Tritanopia
16, 3.062, 242.511

Trichromacy



Original Color
16, 19.754, 299.577

Protanomaly
16, 19.653, 288.950

Deuteranomaly
16, 16.896, 285.703

Tritanomaly
16, 8.423, 289.459

Monochromacy



Original Color
16, 19.754, 299.577

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 7.087, 299.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.754, 299.577 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, 36, 64)` looks like.

```
.text, #text, p{  
    color:rgb(40, 36, 64)  
}
```

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, 36, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 36, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.754, 299.577 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, 36, 64) }
```

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

```
.border{ border-color:rgb(40, 36, 64) }
```

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

Here you see how a box with a 4 pixel rgb(40, 36, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 36, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 36, 64);  
box-shadow:4px 4px 4px 4px rgb(40, 36, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.754, 299.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 36, 64) }
```

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

```
.background{ background-color: rgb(40, 36,  
64) }
```

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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