

Converting Colors

CIELCh(16, 26.803, 60.800)

Have a look what the booklet for
CIELCh(16, 26.803, 60.800) contains.

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Color

CIELCh(16, 26.806, 61.338)

Conversions

Conversions Part 1

Format	Color
Hex	402001
RGB	64, 32, 1
RGB Percent	25%, 13%, 0%
CMY	0.7502, 0.8756, 0.9978
CMYK	0.00, 0.50, 0.99, 0.75
HSL	30°, 98%, 13%
HSV	30°, 99%, 25%
XYZ	2.6069, 2.0993, 0.2842
YIQ	38.0340, 29.0230, -2.8570

Conversions

Conversions Part 2

Format	Color
RYB	64, 62, 1
Decimal	4202497
CIELab	16.00, 12.86, 23.52
CIELCh	16, 26.806, 61.338
Yxy	2.0993, 0.5224, 0.4207
Android (android.graphics.Color)	4282392577 (0xFF402001)
YUV	38.0340, -18.2578, 22.7722
Hunter-Lab	14.4890, 6.7610, 8.9794

Details

The CIELCh color **16, 26.806, 61.338** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **12, 23.226, 276.704**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 26.721, 60.350**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.992, 61.179**, and if you desaturate by 10%, it is **17, 24.745, 63.366**.

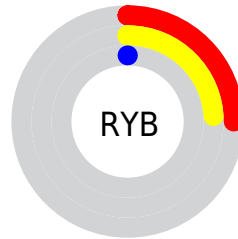
Distribution



Red (25%)

Green (13%)

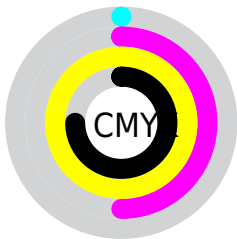
Blue (0%)



Red (25%)

Yellow (24%)

Blue (0%)



Cyan (0%)

Magenta (50%)

Yellow (99%)

Black (75%)



Cyan (75%)

Magenta (88%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 26.806, 61.338 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, 26.806, 61.338 by changing the saturation by 10% instead.

 16, 26.806, 61.338

 16, 26.806, 61.338

 100, 26.806,
61.338

 6, 26.806, 61.338

 36, 26.806, 61.338

 0, 26.806, 61.338

 46, 26.806, 61.338

 56, 26.806, 61.338

 66, 26.806, 61.338

 76, 26.806, 61.338

 86, 26.806, 61.338

 96, 26.806, 61.338

■ 16, 26.806, 61.338

■ 16, 26.806, 61.338

■ 16, 26.992, 61.179

■ 17, 24.745, 63.366

■ 18, 22.605, 65.646

■ 19, 19.744, 67.175

■ 20, 16.590, 68.302

■ 21, 13.510, 69.404

■ 22, 10.535, 70.497

■ 23, 7.675, 71.582

■ 25, 4.932, 72.652

■ 26, 2.301, 73.685

Harmonies

Complementary

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



16, 26.806, 61.338



12, 23.226, 276.704

Rectangle

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



16, 26.806, 61.338



16, 26.806, 111.338



16, 26.806, 241.338



16, 26.806, 291.338

Sweetspot

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



16, 26.806, 61.341



30, 9.768, 71.351



11, 31.787, 355.052



14, 6.571, 71.194



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 26.806, 61.341



21, 34.774, 61.896



26, 34.816, 102.122



11, 1.355, 73.756



25, 39.783, 61.996



59, 77.137, 59.573

Inverse Universe

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



12, 23.226, 276.704



17, 28.705, 279.068



4, 43.297, 301.504



11, 1.333, 255.721



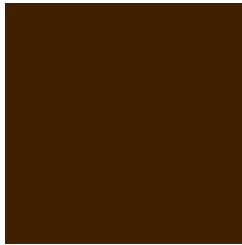
20, 32.329, 280.109



48, 64.934, 284.013

Previews

White Background



This preview shows how the CIELCh color 16, 26.806, 61.338 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, 26.806, 61.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

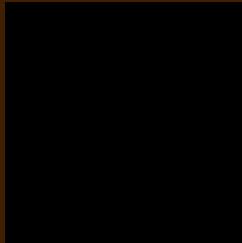
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 26.806, 61.338

Background



This preview shows how black text looks on a background with the CIELCh color 16, 26.806, 61.338.



This preview shows how white text looks on a background with the CIELCh color 16, 26.806, 61.338.

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, 26.806, 61.338

Protanopia

16, 21.448, 97.328

Deuteranopia

16, 23.715, 87.682



Tritanopia
16, 18.301, 20.409

Trichromacy



Original Color
16, 26.806, 61.338

Protanomaly
16, 22.050, 83.488

Deuteranomaly
16, 24.223, 76.111

Tritanomaly
16, 20.822, 42.642

Monochromacy



Original Color
16, 26.806, 61.338

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 10.478, 72.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 26.806, 61.338 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(64, 32, 1)` looks like.

```
.text, #text, p{  
    color:rgb(64, 32, 1)  
}
```

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(64, 32, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 32, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 26.806, 61.338 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(64, 32, 1) }
```

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

```
.border{ border-color:rgb(64, 32, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 32, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 32, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 32, 1); box-shadow:4px  
4px 4px 4px rgb(64, 32, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 26.806, 61.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 32, 1) }
```

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

```
.background{ background-color: rgb(64, 32,  
1) }
```

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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