

Converting Colors

CIELCh(16, 5.800, 116.943)

Have a look what the booklet for
CIELCh(16, 5.800, 116.943) contains.

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Color

CIELCh(16, 6.338, 117.706)

Conversions

Conversions Part 1

Format	Color
Hex	272920
RGB	39, 41, 32
RGB Percent	15%, 16%, 13%
CMY	0.8480, 0.8401, 0.8754
CMYK	0.05, 0.00, 0.22, 0.84
HSL	73°, 12%, 14%
HSV	73°, 22%, 16%
XYZ	1.8702, 2.0993, 1.6569
YIQ	39.3760, 1.6970, -3.2230

Conversions

Conversions Part 2

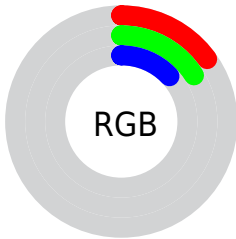
Format	Color
R_YB	32, 41, 34
Decimal	2566432
CIE Lab	16.00, -2.95, 5.61
CIE LCh	16, 6.338, 117.706
Yxy	2.0993, 0.3324, 0.3731
Android (android.graphics.Color)	4280756512 (0xFF272920)
YUV	39.3760, -3.6364, -0.3298
Hunter-Lab	14.4890, -2.3160, 3.3622

Details

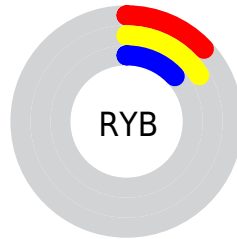
The CIELCh color **16, 6.338, 117.706** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 6.575, 300.124**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 6.241, 117.274**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 9.183, 117.181**, and if you desaturate by 10%, it is **16, 3.470, 118.237**.

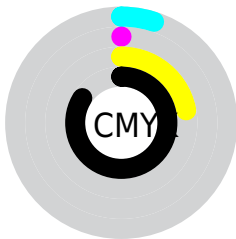
Distribution



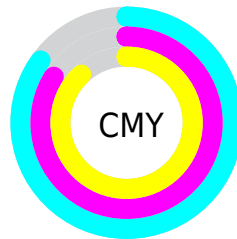
- Red (15%)
- Green (16%)
- Blue (13%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)
- Black (84%)



- Cyan (85%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 6.338, 117.706 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, 6.338, 117.706 by changing the saturation by 10% instead.

■ 16, 6.338, 117.706

■ 16, 6.338, 117.706

■ 100, 6.338,
117.706

■ 6, 6.338, 117.706

■ 36, 6.338, 117.706

■ 0, 6.338, 117.706

■ 46, 6.338, 117.706

■ 56, 6.338, 117.706

■ 66, 6.338, 117.706

■ 76, 6.338, 117.706

■ 86, 6.338, 117.706

■ 96, 6.338, 117.706

■ 16, 6.338, 117.706

■ 16, 6.338, 117.706

■ 16, 9.183, 117.181

■ 16, 3.470, 118.237

■ 16, 11.987,
116.659

■ 16, 0.590, 118.762

■ 15, 14.724,
116.165

■ 17, 2.291, 299.248

■ 17, 5.167, 299.732

■ 15, 17.169,
116.019

■ 17, 8.031, 300.194

■ 15, 19.211,
116.235

■ 17, 10.880,
300.633

■ 15, 20.953,
116.634

■ 18, 13.711,
301.049

■ 15, 22.684,
117.020

■ 18, 16.519,
301.443

■ 15, 24.066,
117.312

■ 18, 19.305,
301.813

Harmonies

Complementary

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



16, 6.338, 117.706



13, 6.575, 300.124

Rectangle

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



16, 6.338, 117.706



16, 6.338, 167.706



16, 6.338, 297.706



16, 6.338, 347.706

Sweetspot

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



16, 6.339, 117.710



22, 2.537, 118.477



14, 3.887, 40.976



10, 1.669, 118.492



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 6.339, 117.710



22, 9.396, 117.412



16, 7.079, 135.472



6, 1.320, 119.141



33, 44.455, 114.985



79, 86.935, 116.028

Inverse Universe

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



13, 6.575, 300.124



17, 9.843, 300.501



13, 7.168, 316.995



6, 1.322, 298.569



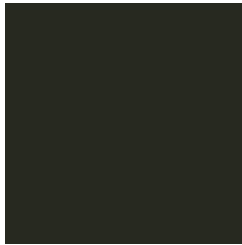
7, 57.971, 308.014



28, 114.293, 307.393

Previews

White Background



This preview shows how the CIELCh color 16, 6.338, 117.706 looks on a white background.

Color Contrast Check

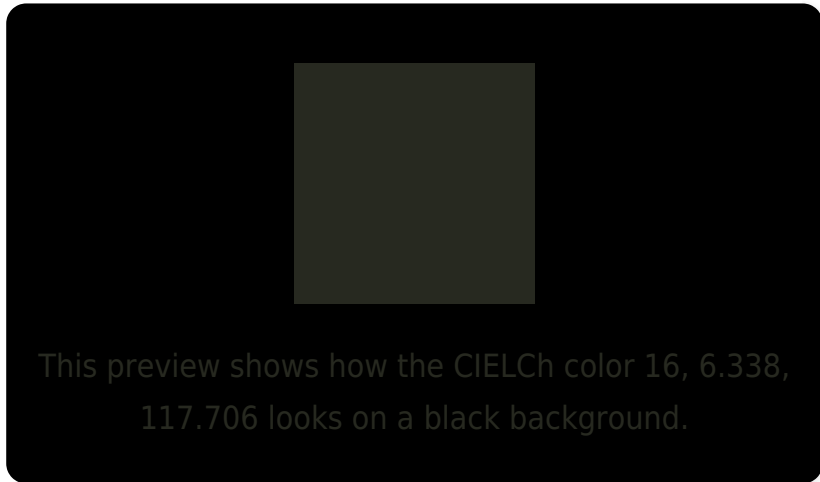
Large Text (above 18pt) WCAG AA ✓ Pass

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

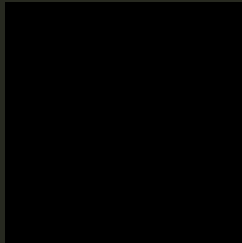
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

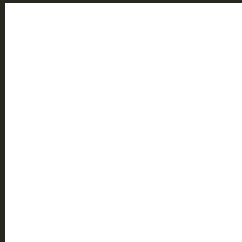
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 6.338, 117.706

Background



This preview shows how black text looks on a background with the CIELCh color 16, 6.338, 117.706.

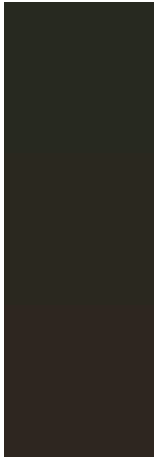


This preview shows how white text looks on a background with the CIELCh color 16, 6.338, 117.706.

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, 6.338, 117.706

Protanopia

16, 6.348, 99.093

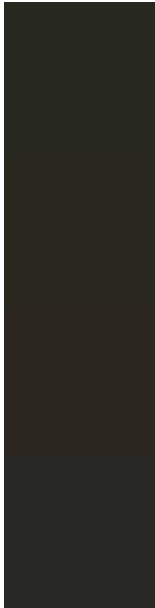
Deuteranopia

16, 5.943, 64.580



Tritanopia
16, 2.168, 303.351

Trichromacy



Original Color

16, 6.338, 117.706

Protanomaly

16, 6.285, 103.761

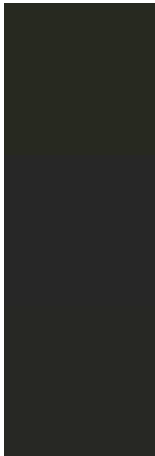
Deuteranomaly

16, 5.312, 85.980

Tritanomaly

16, 1.395, 109.786

Monochromacy



Original Color

16, 6.338, 117.706

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 2.841, 119.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 6.338, 117.706 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(39, 41, 32)` looks like.

```
.text, #text, p{  
    color:rgb(39, 41, 32)  
}
```

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(39, 41, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 41, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 6.338, 117.706 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(39, 41, 32) }
```

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

```
.border{ border-color:rgb(39, 41, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 41, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 41, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 41, 32);  
box-shadow:4px 4px 4px 4px rgb(39, 41, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 6.338, 117.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 41, 32) }
```

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

```
.background{ background-color: rgb(39, 41,  
32) }
```

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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