

Converting Colors

CIELCh(12, 7.965, 71.676)

Have a look what the booklet for
CIELCh(12, 7.965, 71.676) contains.

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Color

CIELCh(12, 8.264, 70.872)

Conversions

Conversions Part 1	
Format	Color
Hex	271E15
RGB	39, 30, 21
RGB Percent	15%, 12%, 8%
CMY	0.8475, 0.8827, 0.9181
CMYK	0.00, 0.23, 0.46, 0.85
HSL	30°, 30%, 12%
HSV	30°, 46%, 15%
XYZ	1.4287, 1.4064, 0.9006
YIQ	31.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

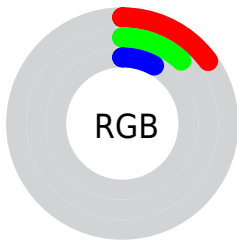
Format	Color
RYB	39, 39, 21
Decimal	2563605
CIELab	12.00, 2.71, 7.81
CIELCh	12, 8.264, 70.872
Yxy	1.4064, 0.3825, 0.3765
Android (android.graphics.Color)	4280753685 (0xFF271E15)
YUV	31.6650, -5.2578, 6.4328
Hunter-Lab	11.8591, 0.7515, 3.7986

Details

The CIELCh color **12, 8.264, 70.872** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 7.478, 261.478**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 8.391, 75.058**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 9.907, 69.185**, and if you desaturate by 10%, it is **13, 6.374, 71.912**.

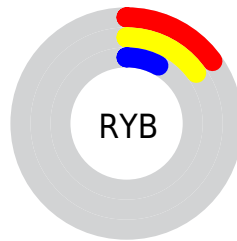
Distribution



Red (15%)

Green (12%)

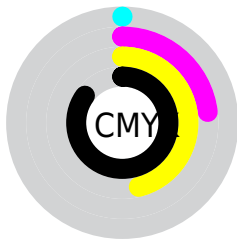
Blue (8%)



Red (15%)

Yellow (15%)

Blue (8%)

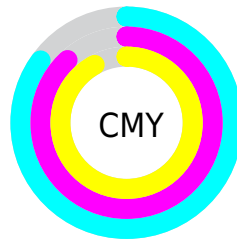


Cyan (0%)

Magenta (23%)

Yellow (46%)

Black (85%)



Cyan (85%)

Magenta (88%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 8.264, 70.872 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 12, 8.264, 70.872 by changing the saturation by 10% instead.

 12, 8.264, 70.872  12, 8.264, 70.872

 100, 8.264, 70.872  2, 8.264, 70.872

 32, 8.264, 70.872  0, 8.264, 70.872

 42, 8.264, 70.872

 52, 8.264, 70.872
















 62, 8.264, 70.872

 72, 8.264, 70.872

 82, 8.264, 70.872

 92, 8.264, 70.872

 12, 8.264, 70.872  12, 8.264, 70.872

 11, 9.907, 69.185	 13, 6.374, 71.912
 11, 11.232, 66.827	 14, 4.531, 72.888
 10, 12.289, 63.916	 14, 2.755, 73.845
 9, 13.288, 61.169	 15, 1.042, 74.735
 8, 14.308, 58.855	 16, 0.613, 255.991
 8, 14.693, 58.090	 17, 2.214, 256.775
	 17, 3.764, 257.655
	 18, 5.270, 258.524
	 19, 6.734, 259.371

Harmonies

Complementary

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



12, 8.264, 70.872



11, 7.478, 261.478

Rectangle

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



12, 8.264, 70.872



12, 8.264, 120.872



12, 8.264, 250.872



12, 8.264, 300.872

Sweetspot

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



12, 8.264, 70.878



20, 2.976, 73.970



9, 11.162, 347.168



8, 1.923, 73.344



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



12, 8.264, 70.878



16, 12.928, 69.582



15, 12.436, 106.687



6, 0.779, 74.187



22, 35.783, 62.543



56, 74.196, 60.240

Inverse Universe

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



11, 7.478, 261.478



14, 11.291, 264.069



8, 13.601, 294.781



6, 0.794, 256.678



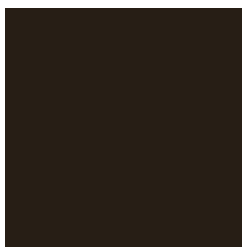
17, 29.812, 280.001



46, 63.349, 284.533

Previews

White Background



This preview shows how the CIELCh color 12, 8.264, 70.872 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 12, 8.264, 70.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

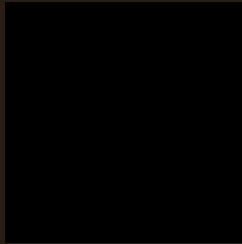
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 8.264, 70.872

Background



This preview shows how black text looks on a background with the CIELCh color 12, 8.264, 70.872.



This preview shows how white text looks on a background with the CIELCh color 12, 8.264, 70.872.

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

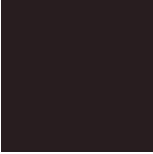
12, 8.264, 70.872

Protanopia

12, 7.254, 99.327

Deuteranopia

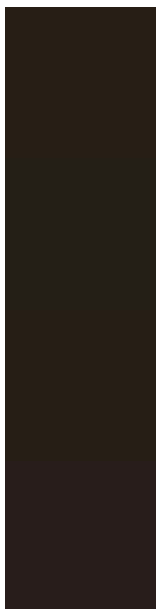
12, 7.918, 74.033



Tritanopia

12, 5.829, 6.850

Trichromacy



Original Color

12, 8.264, 70.872

Protanomaly

12, 7.058, 85.298

Deuteranomaly

12, 7.918, 74.033

Tritanomaly

12, 6.063, 34.565

Monochromacy



Original Color

12, 8.264, 70.872

Achromatopsia

12, 0.003, 296.813

Achromatomaly

12, 3.007, 65.609

CSS Examples

Text

The CSS property to change the color of the text to CIE LCh 12, 8.264, 70.872 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, 30, 21)` looks like.

```
.text, #text, p{  
    color:rgb(39, 30, 21)  
}
```

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, 30, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 30, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 8.264, 70.872 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, 30, 21) }
```

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

```
.border{ border-color:rgb(39, 30, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 30, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 30, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 30, 21);  
box-shadow:4px 4px 4px 4px rgb(39, 30, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 8.264, 70.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 30, 21) }
```

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

```
.background{ background-color: rgb(39, 30,  
21) }
```

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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