

Converting Colors

CIELCh(10, 22.417, 9.497)

Have a look what the booklet for
CIELCh(10, 22.417, 9.497) contains.

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Color

CIELCh(10, 22.268, 9.621)

Conversions

Conversions Part 1

Format	Color
Hex	360C17
RGB	54, 12, 23
RGB Percent	21%, 5%, 9%
CMY	0.7870, 0.9518, 0.9088
CMYK	0.00, 0.77, 0.57, 0.79
HSL	344°, 63%, 13%
HSV	344°, 77%, 21%
XYZ	1.8305, 1.1260, 0.9452
YIQ	25.8120, 21.5010, 12.3250

Conversions

Conversions Part 2

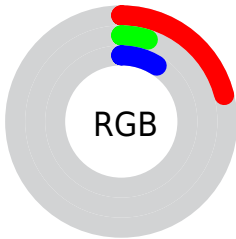
Format	Color
R_{YB}	54, 12, 23
Decimal	3542039
CIE _{Lab}	10.00, 21.95, 3.72
CIE _{LCh}	10, 22.268, 9.621
Yxy	1.1260, 0.4692, 0.2886
Android (android.graphics.Color)	4281732119 (0xFF360C17)
YUV	25.8120, -1.3863, 24.7209
Hunter-Lab	10.6114, 12.2221, 2.1467

Details


The CIELCh color **10, 22.268, 9.621** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 17.804, 171.229**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 22.236, 10.918**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 24.729, 11.568**, and if you desaturate by 10%, it is **11, 19.578, 7.250**.

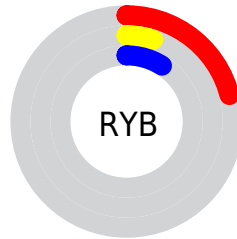
Distribution



 Red (21%)

 Green (5%)

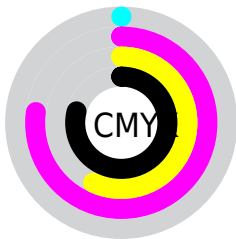
 Blue (9%)



 Red (21%)

 Yellow (5%)

 Blue (9%)

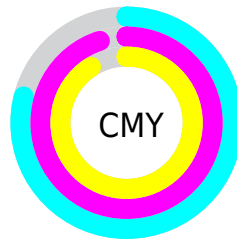



 Cyan (0%)

 Magenta (77%)

 Yellow (57%)

 Black (79%)



 Cyan (79%)

 Magenta (95%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 22.268, 9.621 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 10, 22.268, 9.621 by changing the saturation by 10% instead.

 10, 22.268, 9.621  10, 22.268, 9.621

 100, 22.268, 9.621  0, 22.268, 9.621

 30, 22.268, 9.621

 40, 22.268, 9.621

 50, 22.268, 9.621

 60, 22.268, 9.621

 70, 22.268, 9.621

 80, 22.268, 9.621

 90, 22.268, 9.621

 10, 22.268, 9.621  10, 22.268, 9.621

■ 9, 24.729, 11.568

■ 11, 19.578, 7.250

■ 8, 27.415, 11.912

■ 13, 16.694, 5.299

■ 7, 28.143, 11.816

■ 14, 13.708, 3.682

■ 16, 10.696, 2.321

■ 18, 7.718, 1.158

■ 20, 4.812, 0.143

■ 21, 2.001, 359.210

■ 23, 0.702, 178.812

■ 25, 3.294, 177.896

Harmonies

Complementary

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



10, 22.268, 9.621



20, 17.804, 171.229

Rectangle

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



10, 22.268, 9.621



10, 22.268, 59.621



10, 22.268, 189.621



10, 22.268, 239.621

Sweetspot

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



10, 22.267, 9.623



25, 8.114, 0.822



9, 31.455, 319.233



10, 5.514, 0.938



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



10, 22.267, 9.623



13, 32.281, 15.858



12, 19.985, 40.765



9, 1.551, 359.307



17, 41.372, 20.184



46, 80.252, 25.253

Inverse Universe

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



10, 22.267, 9.623



13, 32.281, 15.858



16, 12.529, 231.074



9, 1.551, 359.307



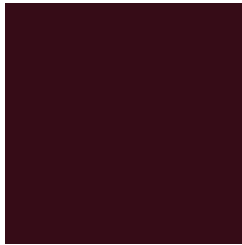
17, 41.372, 20.184



46, 80.252, 25.253

Previews

White Background



This preview shows how the CIELCh color 10, 22.268, 9.621 looks on a white background.

Color Contrast Check

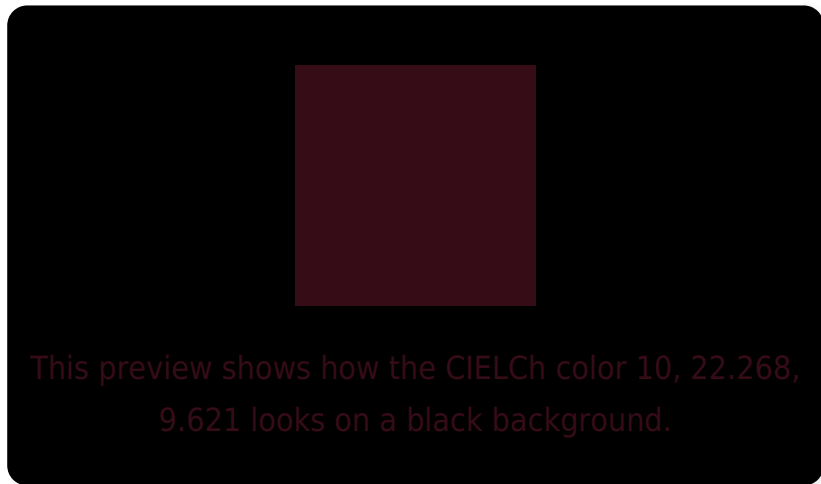
Large Text (above 18pt) WCAG AA ✓ Pass

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 10, 22.268, 9.621

Background



This preview shows how black text looks on a background with the CIELCh color 10, 22.268, 9.621.



This preview shows how white text looks on a background with the CIELCh color 10, 22.268, 9.621.

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

10, 22.268, 9.621

Protanopia

11, 1.467, 290.659

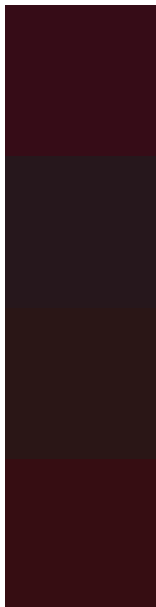
Deuteranopia

11, 6.422, 71.540



Tritanopia
10, 22.052, 24.287

Trichromacy



Original Color

10, 22.268, 9.621

Protanomaly

10, 8.562, 357.053

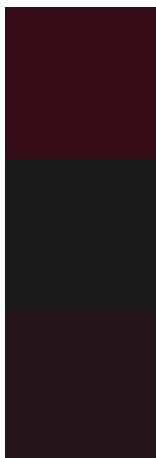
Deuteranomaly

10, 11.042, 22.916

Tritanomaly

10, 22.109, 18.942

Monochromacy



Original Color

10, 22.268, 9.621

Achromatopsia

9, 0.003, 296.813

Achromatomaly

9, 8.435, 1.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 22.268, 9.621 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(54, 12, 23)` looks like.

```
.text, #text, p{  
    color:rgb(54, 12, 23)  
}
```

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(54, 12, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 12, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 22.268, 9.621 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(54, 12, 23) }
```

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

```
.border{ border-color:rgb(54, 12, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 12, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 12, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 12, 23);  
box-shadow:4px 4px 4px 4px rgb(54, 12, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 10, 22.268, 9.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 12, 23) }
```

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

```
.background{ background-color: rgb(54, 12,  
23) }
```

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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