

Converting Colors

CIELCh(22, 28.450, 54.304)

Have a look what the booklet for
CIELCh(22, 28.450, 54.304) contains.

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Color

CIELCh(22, 28.008, 54.233)

Conversions

Conversions Part 1

Format	Color
Hex	522A13
RGB	82, 42, 19
RGB Percent	32%, 16%, 7%
CMY	0.6778, 0.8347, 0.9249
CMYK	0.00, 0.49, 0.77, 0.68
HSL	22°, 62%, 20%
HSV	22°, 77%, 32%
XYZ	4.4466, 3.5154, 1.0665
YIQ	51.3380, 31.2230, 1.3270

Conversions

Conversions Part 2

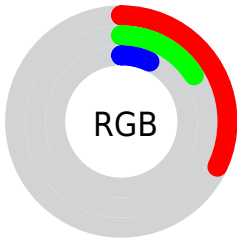
Format	Color
R_{YB}	82, 55, 19
Decimal	5384723
CIE Lab	22.00, 16.37, 22.73
CIE LCh	22, 28.008, 54.233
Yxy	3.5154, 0.4925, 0.3894
Android (android.graphics.Color)	4283574803 (0xFF522A13)
YUV	51.3380, -15.9426, 26.8906
Hunter-Lab	18.7494, 9.5214, 9.7522

Details

The CIELCh color **22, 28.008, 54.233** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 18.715, 253.885**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 28.210, 54.473**, and **3, 14.612, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **21, 31.924, 53.138**, and if you desaturate by 10%, it is **23, 23.733, 54.809**.

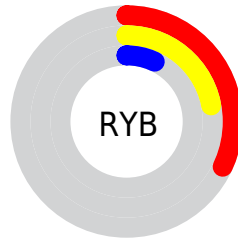
Distribution



Red (32%)

Green (16%)

Blue (7%)



Red (32%)

Yellow (22%)

Blue (7%)

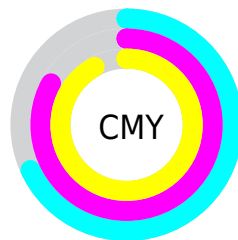


Cyan (0%)

Magenta (49%)

Yellow (77%)

Black (68%)



Cyan (68%)

Magenta (83%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 28.008, 54.233 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 22, 28.008, 54.233 by changing the saturation by 10% instead.

■ 22, 28.008, 54.233

■ 22, 28.008, 54.233

■ 100, 28.008,
54.233

■ 12, 28.008, 54.233

■ 42, 28.008, 54.233

■ 2, 28.008, 54.233

■ 52, 28.008, 54.233

■ 0, 28.008, 54.233

■ 62, 28.008, 54.233

■ 72, 28.008, 54.233

■ 82, 28.008, 54.233

■ 92, 28.008, 54.233

■ 22, 28.008, 54.233

■ 22, 28.008, 54.233

■ 21, 31.924, 53.138

■ 23, 23.733, 54.809

■ 19, 35.112, 51.413

■ 25, 19.584, 55.394

■ 19, 36.152, 50.968

■ 27, 15.630, 56.026

■ 28, 11.896, 56.713

■ 30, 8.383, 57.448

■ 32, 5.082, 58.212

■ 34, 1.978, 58.948

■ 36, 0.946, 240.162

■ 37, 3.710, 240.804

Harmonies

Complementary

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



22, 28.008, 54.233



23, 18.715, 253.885

Rectangle

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



22, 28.008, 54.233



22, 28.008, 104.233



22, 28.008, 234.233



22, 28.008, 284.233

Sweetspot

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



22, 28.007, 54.236



40, 8.903, 57.667



18, 34.928, 343.073



19, 6.132, 57.503



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



22, 28.007, 54.236



27, 42.795, 52.748



31, 32.122, 95.344



15, 1.648, 58.813



25, 45.365, 51.864



56, 85.391, 50.388

Inverse Universe

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



23, 18.715, 253.885



28, 26.352, 261.103



13, 37.946, 296.406



16, 1.592, 240.506



27, 27.549, 264.241



59, 51.727, 268.047

Previews

White Background



This preview shows how the CIELCh color 22, 28.008, 54.233 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 22, 28.008, 54.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

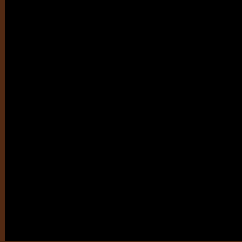
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 28.008, 54.233

Background



This preview shows how black text looks on a background with the CIELCh color 22, 28.008, 54.233.

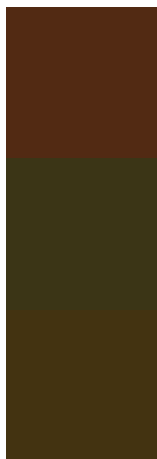


This preview shows how white text looks on a background with the CIELCh color 22, 28.008, 54.233.

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

22, 28.008, 54.233

Protanopia

22, 20.385, 96.387

Deuteranopia

22, 23.835, 83.269



Tritanopia
22, 21.635, 21.202

Trichromacy



Original Color
22, 28.008, 54.233

Protanomaly
22, 21.190, 77.926

Deuteranomaly
22, 24.556, 71.085

Tritanomaly
22, 22.945, 35.518

Monochromacy



Original Color
22, 28.008, 54.233

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 9.473, 59.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 28.008, 54.233 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(82, 42, 19)` looks like.

```
.text, #text, p{  
    color:rgb(82, 42, 19)  
}
```

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(82, 42, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 42, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 28.008, 54.233 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(82, 42, 19) }
```

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

```
.border{ border-color:rgb(82, 42, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 42, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 42, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 42, 19);  
box-shadow:4px 4px 4px 4px rgb(82, 42, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 28.008, 54.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 42, 19) }
```

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

```
.background{ background-color: rgb(82, 42,  
19) }
```

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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