

Converting Colors

CIELCh(22, 4.964, 20.336)

Have a look what the booklet for
CIELCh(22, 4.964, 20.336) contains.

CIELCh(22, 5.270, 20.437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(22, 5.270, 20.437)

Conversions

Conversions Part 1

Format	Color
Hex	3D3232
RGB	61, 50, 50
RGB Percent	24%, 20%, 20%
CMY	0.7604, 0.8036, 0.8036
CMYK	0.00, 0.18, 0.18, 0.76
HSL	0°, 10%, 22%
HSV	0°, 18%, 24%
XYZ	3.6527, 3.5154, 3.5141
YIQ	53.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

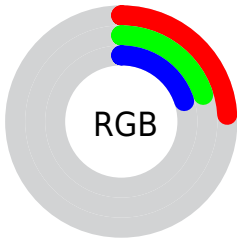
Format	Color
RYB	61, 50, 50
Decimal	4010546
CIELab	22.00, 4.94, 1.84
CIELCh	22, 5.270, 20.437
Yxy	3.5154, 0.3419, 0.3291
Android (android.graphics.Color)	4282200626 (0xFF3D3232)
YUV	53.2890, -1.6215, 6.7625
Hunter-Lab	18.7494, 1.9634, 2.0121

Details

The CIELCh color **22, 5.270, 20.437** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 4.764, 198.635**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 5.545, 20.076**, and **2, 5.117, 19.402** is the 20% darker color. If you saturate the color by 10%, you get **20, 8.476, 21.270**, and if you desaturate by 10%, it is **24, 2.265, 19.741**.

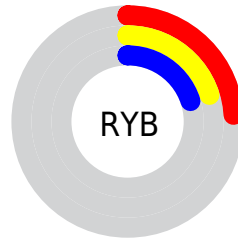
Distribution



 Red (24%)

 Green (20%)

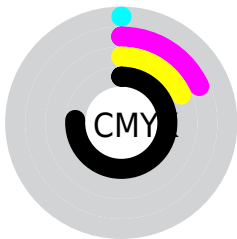
 Blue (20%)



 Red (24%)

 Yellow (20%)

 Blue (20%)

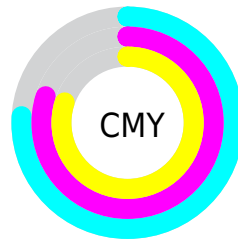


 Cyan (0%)

 Magenta (18%)

 Yellow (18%)

 Black (76%)



 Cyan (76%)

 Magenta (80%)

 Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 5.270, 20.437 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, 5.270, 20.437 by changing the saturation by 10% instead.

■ 22, 5.270, 20.437 ■ 22, 5.270, 20.437

■ 100, 5.270, 20.437 ■ 12, 5.270, 20.437

■ 42, 5.270, 20.437 ■ 2, 5.270, 20.437

■ 52, 5.270, 20.437 ■ 0, 5.270, 20.437

■ 62, 5.270, 20.437

■ 72, 5.270, 20.437

■ 82, 5.270, 20.437

■ 92, 5.270, 20.437

■ 22, 5.270, 20.437 ■ 22, 5.270, 20.437

■ 20, 8.476, 21.270 ■ 24, 2.265, 19.741

18, 11.882, 22.295

26, 0.543, 199.768

16, 15.464, 23.584

28, 3.166, 198.982

14, 19.183, 25.209

31, 5.620, 198.605

13, 22.918, 26.973

33, 7.920, 198.309

11, 26.161, 27.412

35, 10.083,
198.067

10, 28.824, 27.095

37, 12.123,
197.866

9, 31.567, 26.313

9, 32.145, 26.102

39, 14.054,
197.697

41, 15.888,
197.553

Harmonies

Complementary

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



22, 5.270, 20.437



25, 4.764, 198.635

Rectangle

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



22, 5.270, 20.437



22, 5.270, 70.437



22, 5.270, 200.437



22, 5.270, 250.437

Sweetspot

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



22, 5.269, 20.446



32, 1.736, 19.527



22, 8.896, 325.284



16, 1.196, 19.550



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 5.269, 20.446



28, 8.115, 20.834



24, 4.496, 73.474



10, 1.574, 19.771



17, 47.178, 34.877



46, 94.131, 40.001

Inverse Universe

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



25, 4.764, 198.635



32, 7.120, 198.413



23, 4.321, 257.597



11, 1.503, 199.121



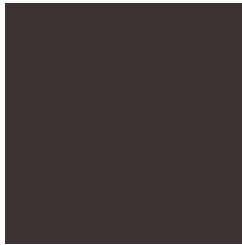
36, 24.210, 196.406



80, 45.102, 196.407

Previews

White Background



This preview shows how the CIELCh color 22, 5.270, 20.437 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, 5.270, 20.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

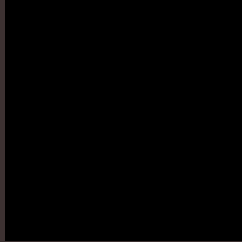
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 5.270, 20.437

Background



This preview shows how black text looks on a background with the CIELCh color 22, 5.270, 20.437.

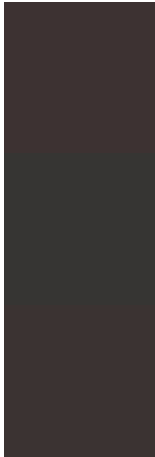


This preview shows how white text looks on a background with the CIELCh color 22, 5.270, 20.437.

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, 5.270, 20.437

Protanopia

22, 1.410, 90.480

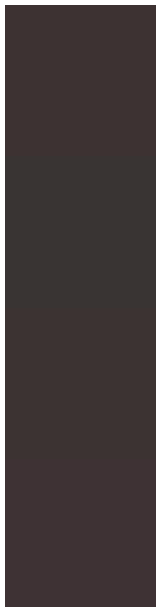
Deuteranopia

22, 3.876, 29.989



Tritanopia
22, 5.997, 1.177

Trichromacy



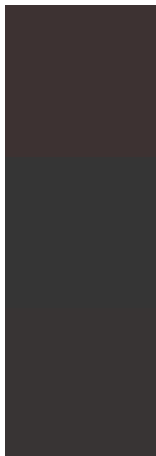
Original Color
22, 5.270, 20.437

Protanomaly
22, 2.450, 35.563

Deuteranomaly
22, 4.357, 28.977

Tritanomaly
22, 5.842, 7.425

Monochromacy



Original Color
22, 5.270, 20.437

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 1.871, 19.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 5.270, 20.437 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(61, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(61, 50, 50)  
}
```

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(61, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 50, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 5.270, 20.437 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(61, 50, 50) }
```

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

```
.border{ border-color:rgb(61, 50, 50) }
```

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

Here you see how a box with a 4 pixel rgb(61, 50, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(61, 50, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 5.270, 20.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 50, 50) }
```

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

```
.background{ background-color: rgb(61, 50,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor