

Converting Colors

CIELCh(22, 17.065, 311.073)

Have a look what the booklet for
CIELCh(22, 17.065, 311.073)
contains.

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Color

CIELCh(22, 16.936, 310.514)

Conversions

Conversions Part 1

Format	Color
Hex	3C3048
RGB	60, 48, 72
RGB Percent	24%, 19%, 28%
CMY	0.7656, 0.8126, 0.7185
CMYK	0.17, 0.33, 0.00, 0.72
HSL	270°, 20%, 23%
HSV	270°, 33%, 28%
XYZ	4.0609, 3.5154, 6.5569
YIQ	54.3240, -0.5520, 10.0080

Conversions

Conversions Part 2

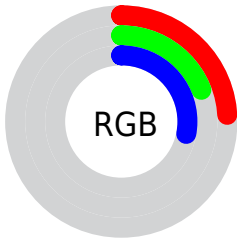
Format	Color
R_{YB}	60, 48, 72
Decimal	3944520
CIE _{Lab}	22.00, 11.00, -12.88
CIE _{LCh}	22, 16.936, 310.514
Yxy	3.5154, 0.2873, 0.2487
Android (android.graphics.Color)	4282134600 (0xFF3C3048)
YUV	54.3240, 8.7143, 4.9779
Hunter-Lab	18.7494, 5.8490, -7.6098

Details

The CIELCh color **22, 16.936, 310.514** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 16.244, 127.679**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 17.287, 310.694**, and **2, 17.293, 310.547** is the 20% darker color. If you saturate the color by 10%, you get **20, 22.205, 310.999**, and if you desaturate by 10%, it is **25, 11.736, 310.043**.

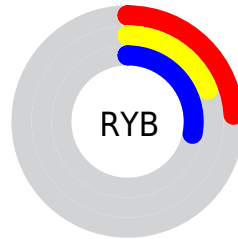
Distribution



Red (24%)

Green (19%)

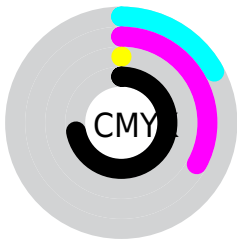
Blue (28%)



Red (24%)

Yellow (19%)

Blue (28%)

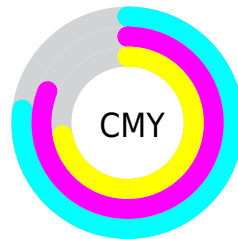


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (72%)



Cyan (77%)

Magenta (81%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 16.936, 310.514 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, 16.936, 310.514 by changing the saturation by 10% instead.

■ 22, 16.936,
310.514

■ 22, 16.936,
310.514

■ 100, 16.936,
310.514

■ 12, 16.936,
310.514

■ 42, 16.936,
310.514

■ 2, 16.936, 310.514

■ 52, 16.936,
310.514

■ 0, 16.936, 310.514

■ 62, 16.936,
310.514

■ 72, 16.936,
310.514

■ 82, 16.936,
310.514

■ 92, 16.936,

310.514

■ 22, 16.936,
310.514

■ 22, 16.936,
310.514

■ 20, 22.205,
310.999

■ 25, 11.736,
310.043

■ 17, 27.483,
311.481

■ 27, 6.642, 309.598

■ 15, 32.670,
311.929

■ 30, 1.672, 309.163

■ 32, 3.165, 128.841

■ 13, 37.610,
312.298

■ 35, 7.869, 128.492

■ 11, 42.080,
312.528

■ 37, 12.440,
128.186

■ 9, 46.262, 312.728

■ 40, 16.883,
127.915

■ 8, 49.449, 313.073

■ 42, 21.202,
127.675

■ 45, 25.404,
127.463

Harmonies

Complementary

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



22, 16.936, 310.514



29, 16.244, 127.679

Rectangle

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



22, 16.936, 310.514



22, 16.936, 0.514



22, 16.936, 130.514



22, 16.936, 180.514

Sweetspot

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



22, 16.935, 310.514



37, 6.188, 309.468



25, 8.944, 258.212



18, 4.261, 309.499



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



22, 16.935, 310.514



27, 25.628, 310.912



23, 18.792, 325.577



13, 2.730, 309.390



13, 62.171, 312.564



36, 114.429, 311.745

Inverse Universe

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



23, 13.499, 346.414



29, 20.281, 347.267



28, 18.778, 141.972



13, 2.198, 344.222



20, 42.731, 359.305



49, 77.527, 2.621

Previews

White Background



This preview shows how the CIE LCh color 22, 16.936, 310.514 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 CIELCh color 22, 16.936, 310.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

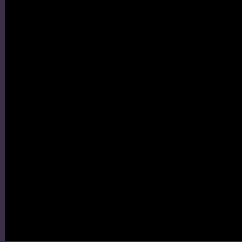
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 16.936, 310.514

Background



This preview shows how black text looks on a background with the CIELCh color 22, 16.936, 310.514.



This preview shows how white text looks on a background with the CIELCh color 22, 16.936, 310.514.

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, 16.936, 310.514

Protanopia

22, 15.526, 285.122

Deuteranopia

22, 12.811, 285.889



Tritanopia
22, 3.870, 336.263

Trichromacy



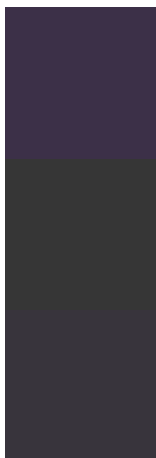
Original Color
22, 16.936, 310.514

Protanomaly
22, 16.175, 295.099

Deuteranomaly
22, 14.192, 296.540

Tritanomaly
22, 8.242, 317.246

Monochromacy



Original Color
22, 16.936, 310.514

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 5.680, 309.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 16.936, 310.514 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(60, 48, 72)` looks like.

```
.text, #text, p{  
    color:rgb(60, 48, 72)  
}
```

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(60, 48, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 48, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 16.936, 310.514 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(60, 48, 72) }
```

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

```
.border{ border-color:rgb(60, 48, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 48, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 48, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 48, 72);  
box-shadow:4px 4px 4px 4px rgb(60, 48, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 16.936, 310.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 48, 72) }
```

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

```
.background{ background-color: rgb(60, 48,  
72) }
```

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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