

Converting Colors

CIELCh(22, 31.962, 120.640)

Have a look what the booklet for
CIELCh(22, 31.962, 120.640)
contains.

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Color

CIELCh(22, 31.962, 120.640)

Conversions

Conversions Part 1

Format	Color
Hex	283A06
RGB	40, 58, 6
RGB Percent	16%, 23%, 2%
CMY	0.8424, 0.7717, 0.9755
CMYK	0.31, 0.00, 0.89, 0.77
HSL	81°, 81%, 13%
HSV	81°, 89%, 23%
XYZ	2.4403, 3.5154, 0.7293
YIQ	46.6900, 5.9640, -19.9880

Conversions

Conversions Part 2

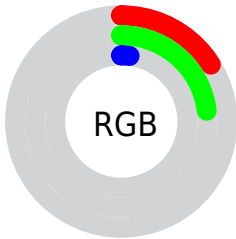
Format	Color
RYB	6, 58, 24
Decimal	2636294
CIELab	22.00, -16.29, 27.50
CIELCh	22, 31.962, 120.640
Yxy	3.5154, 0.3650, 0.5259
Android (android.graphics.Color)	4280826374 (0xFF283A06)
YUV	46.6900, -20.0602, -5.8671
Hunter-Lab	18.7494, -9.5794, 10.8184

Details

The CIELCh color **22, 31.962, 120.640** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 37.434, 308.202**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 31.912, 120.740**, and **3, 6.529, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 34.509, 120.850**, and if you desaturate by 10%, it is **22, 29.381, 120.437**.

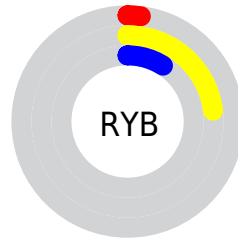
Distribution



Red (16%)

Green (23%)

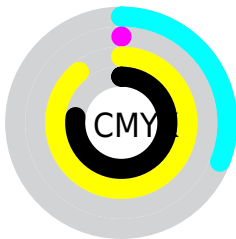
Blue (2%)



Red (2%)

Yellow (23%)

Blue (9%)

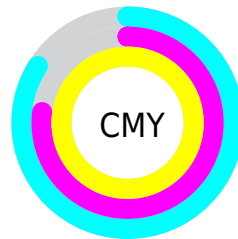


Cyan (31%)

Magenta (0%)

Yellow (89%)

Black (77%)



Cyan (84%)


Magenta (77%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 31.962, 120.640 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, 31.962, 120.640 by changing the saturation by 10% instead.

 22, 31.962,
120.640


 22, 31.962,
120.640

 100, 31.962,
120.640


 12, 31.962,
120.640


 42, 31.962,
120.640


 2, 31.962, 120.640

 52, 31.962,
120.640

 0, 31.962, 120.640

 62, 31.962,
120.640

 72, 31.962,
120.640

 82, 31.962,
120.640

 92, 31.962,

120.640

■ 22, 31.962,
120.640

■ 22, 31.962,
120.640

■ 22, 34.509,
120.850

■ 22, 29.381,
120.437

■ 22, 34.696,
120.865

■ 22, 26.294,
120.573

■ 23, 22.871,
120.874

■ 23, 19.227,
121.267

■ 23, 15.438,
121.713

■ 23, 11.558,
122.183

■ 24, 7.626, 122.659

■ 24, 3.668, 123.129

■ 25, 0.295, 303.481

Harmonies

Complementary

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



22, 31.962, 120.640



6, 37.434, 308.202

Rectangle

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



22, 31.962, 120.640



22, 31.962, 170.640



22, 31.962, 300.640



22, 31.962, 350.640

Sweetspot

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



22, 31.962, 120.641



31, 13.400, 122.228



13, 23.188, 47.381



14, 8.861, 122.193



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 31.962, 120.641



29, 42.961, 120.605



21, 36.537, 135.343



10, 2.125, 123.176



35, 48.809, 120.995



80, 92.669, 122.228

Inverse Universe

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



6, 37.434, 308.202



7, 52.997, 309.823



10, 37.110, 322.483



9, 2.156, 303.917



10, 60.533, 309.693



31, 115.070, 308.873

Previews

White Background



This preview shows how the CIELCh color 22, 31.962, 120.640 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 22, 31.962, 120.640

Background



This preview shows how black text looks on a background with the CIELCh color 22, 31.962, 120.640.



This preview shows how white text looks on a background with the CIELCh color 22, 31.962, 120.640.

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

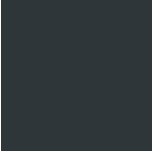
22, 31.962, 120.640

Protanopia

22, 29.124, 96.004

Deuteranopia

22, 25.812, 84.246



Tritanopia
22, 4.324, 237.482

Trichromacy



Original Color
22, 31.962, 120.640

Protanomaly
22, 29.388, 105.810

Deuteranomaly
22, 26.472, 99.348

Tritanomaly
22, 12.711, 134.703

Monochromacy



Original Color
22, 31.962, 120.640

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 13.051, 120.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 31.962, 120.640 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(40, 58, 6)` looks like.

```
.text, #text, p{  
    color:rgb(40, 58, 6)  
}
```

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(40, 58, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 58, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 31.962, 120.640 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(40, 58, 6) }
```

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

```
.border{ border-color:rgb(40, 58, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 58, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 58, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 58, 6); box-shadow:4px  
4px 4px 4px rgb(40, 58, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 31.962, 120.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 58, 6) }
```

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

```
.background{ background-color: rgb(40, 58,  
6) }
```

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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