

Converting Colors

CIELCh(23, 24.807, 157.278)

Have a look what the booklet for
CIELCh(23, 24.807, 157.278)
contains.

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Color

CIELCh(23, 24.724, 157.444)

Conversions

Conversions Part 1

Format	Color
Hex	0D3F28
RGB	13, 63, 40
RGB Percent	5%, 25%, 16%
CMY	0.9488, 0.7527, 0.8429
CMYK	0.79, 0.00, 0.36, 0.75
HSL	152°, 66%, 15%
HSV	152°, 79%, 25%
XYZ	2.3311, 3.8003, 2.6224
YIQ	45.4280, -22.4170, -17.7530

Conversions

Conversions Part 2

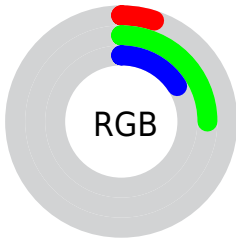
Format	Color
R_{YB}	13, 45, 63
Decimal	868136
CIE _{Lab}	23.00, -22.83, 9.48
CIE _{LCh}	23, 24.724, 157.444
Yxy	3.8003, 0.2663, 0.4341
Android (android.graphics.Color)	4279058216 (0xFF0D3F28)
YUV	45.4280, -2.6760, -28.4394
Hunter-Lab	19.4944, -12.7705, 5.6704

Details

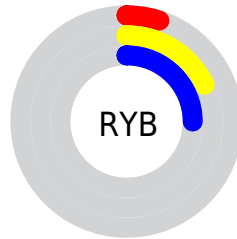
The CIELCh color **23, 24.724, 157.444** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 26.487, 355.359**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 24.687, 157.495**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 27.034, 155.871**, and if you desaturate by 10%, it is **23, 22.186, 158.921**.

Distribution



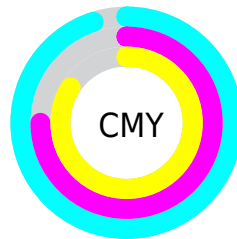
- Red (5%)
- Green (25%)
- Blue (16%)



- Red (5%)
- Yellow (18%)
- Blue (25%)



- Cyan (79%)
- Magenta (0%)
- Yellow (36%)
- Black (75%)



- Cyan (95%)
- Magenta (75%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 24.724, 157.444 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 23, 24.724, 157.444 by changing the saturation by 10% instead.

 23, 24.724,
157.444

 23, 24.724,
157.444

 100, 24.724,
157.444

 13, 24.724,
157.444

 43, 24.724,
157.444

 3, 24.724, 157.444

 53, 24.724,
157.444

 0, 24.724, 157.444

 63, 24.724,
157.444

 73, 24.724,
157.444

 83, 24.724,
157.444

 93, 24.724,

157.444

■ 23, 24.724,
157.444

■ 23, 24.724,
157.444

■ 23, 27.034,
155.871

■ 23, 22.186,
158.921

■ 23, 29.351,
154.545

■ 24, 19.400,
160.248

■ 23, 29.520,
154.460

■ 24, 16.404,
161.441

■ 24, 13.241,
162.516

■ 25, 9.953, 163.490

■ 25, 6.585, 164.381

■ 26, 3.173, 165.218

■ 27, 0.250, 345.158

■ 27, 3.656, 346.539

Harmonies

Complementary

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



23, 24.724, 157.444



12, 26.487, 355.359

Rectangle

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



23, 24.724, 157.444



23, 24.724, 207.444



23, 24.724, 337.444



23, 24.724, 27.444

Sweetspot

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



23, 24.724, 157.444



33, 10.138, 163.877



24, 32.971, 127.445



15, 6.841, 163.756



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 24.724, 157.444



30, 34.495, 154.166



23, 15.906, 200.831



11, 1.851, 165.293



35, 39.941, 152.888



78, 77.306, 150.935

Inverse Universe

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



12, 26.487, 355.359



16, 35.902, 0.320



12, 26.821, 29.462



10, 1.874, 346.415



18, 40.914, 2.533



48, 75.993, 6.444

Previews

White Background



This preview shows how the CIELCh color 23, 24.724, 157.444 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 23, 24.724, 157.444 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 23, 24.724, 157.444

Background



This preview shows how black text looks on a background with the CIELCh color 23, 24.724, 157.444.



This preview shows how white text looks on a background with the CIELCh color 23, 24.724, 157.444.

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
23, 24.724, 157.444

Protanopia
23, 12.155, 95.393

Deuteranopia
23, 9.233, 71.683



Tritanopia
23, 12.914, 212.500

Trichromacy



Original Color
23, 24.724, 157.444

Protanomaly
23, 15.063, 135.819

Deuteranomaly
22, 12.090, 136.137

Tritanomaly
23, 15.473, 184.182

Monochromacy



Original Color
23, 24.724, 157.444

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 10.631, 162.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 24.724, 157.444 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(13, 63, 40)` looks like.

```
.text, #text, p{  
    color:rgb(13, 63, 40)  
}
```

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(13, 63, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 63, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 24.724, 157.444 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(13, 63, 40) }
```

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

```
.border{ border-color:rgb(13, 63, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 63, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 63, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 63, 40);  
box-shadow:4px 4px 4px 4px rgb(13, 63, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 24.724, 157.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 63, 40) }
```

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

```
.background{ background-color: rgb(13, 63,  
40) }
```

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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