

Converting Colors

CIELCh(23, 33.962, 147.762)

Have a look what the booklet for
CIELCh(23, 33.962, 147.762)
contains.

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Color

CIELCh(23, 33.752, 147.754)

Conversions

Conversions Part 1

Format	Color
Hex	02401A
RGB	2, 64, 26
RGB Percent	1%, 25%, 10%
CMY	0.9941, 0.7474, 0.8966
CMYK	0.98, 0.00, 0.59, 0.75
HSL	144°, 95%, 13%
HSV	144°, 98%, 25%
XYZ	2.0667, 3.8003, 1.6242
YIQ	41.1300, -24.7540, -24.9620

Conversions

Conversions Part 2

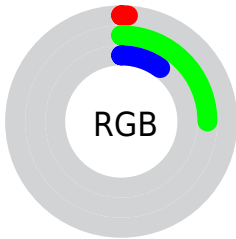
Format	Color
RYB	2, 47, 64
Decimal	147482
CIELab	23.00, -28.55, 18.01
CIELCh	23, 33.752, 147.754
Yxy	3.8003, 0.2759, 0.5073
Android (android.graphics.Color)	4278337562 (0xFF02401A)
YUV	41.1300, -7.4591, -34.3170
Hunter-Lab	19.4944, -15.1912, 8.7063

Details

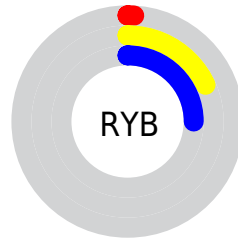
The CIELCh color **23, 33.752, 147.754** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 32.858, 348.384**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 33.885, 147.125**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 34.389, 147.488**, and if you desaturate by 10%, it is **23, 31.021, 149.084**.

Distribution



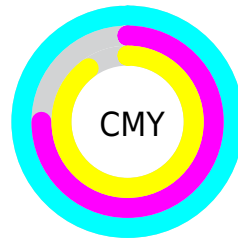
- Red (1%)
- Green (25%)
- Blue (10%)



- Red (1%)
- Yellow (18%)
- Blue (25%)



- Cyan (98%)
- Magenta (0%)
- Yellow (59%)
- Black (75%)





- Cyan (99%)
- Magenta (75%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 33.752, 147.754 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, 33.752, 147.754 by changing the saturation by 10% instead.

 23, 33.752,
147.754


 23, 33.752,
147.754

 100, 33.752,
147.754


 13, 33.752,
147.754


 43, 33.752,
147.754


 3, 33.752, 147.754

 53, 33.752,
147.754

 0, 33.752, 147.754

 63, 33.752,
147.754

 73, 33.752,
147.754

 83, 33.752,
147.754

 93, 33.752,

147.754

■ 23, 33.752,
147.754

■ 23, 33.752,
147.754

■ 23, 34.389,
147.488

■ 23, 31.021,
149.084

■ 23, 28.215,
150.645

■ 24, 25.128,
152.075

■ 24, 21.783,
153.352

■ 24, 18.230,
154.489

■ 25, 14.521,
155.500

■ 25, 10.709,
156.403

■ 26, 6.841, 157.214

■ 27, 2.958, 157.966

Harmonies

Complementary

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



23, 33.752, 147.754



11, 32.858, 348.384

Rectangle

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



23, 33.752, 147.754



23, 33.752, 197.754



23, 33.752, 327.754



23, 33.752, 17.754

Sweetspot

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



23, 33.752, 147.754



33, 14.014, 156.177



24, 37.456, 122.115



16, 9.694, 156.005



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 33.752, 147.754



31, 42.087, 146.430



24, 20.326, 182.068



12, 2.202, 157.898



35, 46.872, 145.965



79, 89.913, 144.171

Inverse Universe

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



11, 32.858, 348.384



16, 39.690, 349.916



10, 32.098, 22.873



12, 2.217, 338.924



19, 43.605, 350.491



49, 79.334, 352.922

Previews

White Background



This preview shows how the CIELCh color 23, 33.752, 147.754 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, 33.752, 147.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

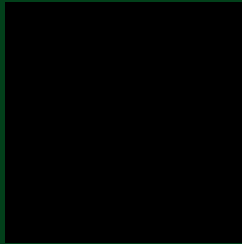
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 33.752, 147.754

Background



This preview shows how black text looks on a background with the CIELCh color 23, 33.752, 147.754.



This preview shows how white text looks on a background with the CIELCh color 23, 33.752, 147.754.

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, 33.611, 147.536

Protanopia
23, 20.413, 95.069

Deuteranopia
23, 17.282, 79.262



Tritanopia
23, 12.664, 212.844

Trichromacy



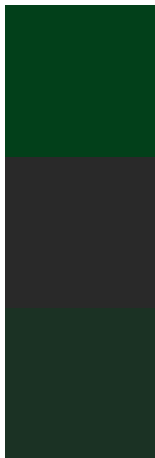
Original Color
23, 33.611, 147.536

Protanomaly
22, 23.093, 128.390

Deuteranomaly
22, 19.366, 125.806

Tritanomaly
23, 18.583, 172.905

Monochromacy



Original Color
23, 33.611, 147.536

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 14.321, 154.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 33.752, 147.754 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(2, 64, 26)` looks like.

```
.text, #text, p{  
    color:rgb(2, 64, 26)  
}
```

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(2, 64, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 64, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 33.752, 147.754 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(2, 64, 26) }
```

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

```
.border{ border-color:rgb(2, 64, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 64, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 64, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 64, 26); box-shadow:4px  
4px 4px 4px rgb(2, 64, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 33.752, 147.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 64, 26) }
```

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

```
.background{ background-color: rgb(2, 64,  
26) }
```

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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