

Converting Colors

CIELCh(24, 22.994, 157.591)

Have a look what the booklet for
CIELCh(24, 22.994, 157.591)
contains.

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Color

CIELCh(24, 23.115, 156.980)

Conversions

Conversions Part 1

Format	Color
Hex	15412B
RGB	21, 65, 43
RGB Percent	8%, 25%, 17%
CMY	0.9181, 0.7455, 0.8318
CMYK	0.68, 0.00, 0.34, 0.75
HSL	150°, 51%, 17%
HSV	150°, 68%, 25%
XYZ	2.6252, 4.1002, 2.9290
YIQ	49.3360, -19.1620, -16.1700

Conversions

Conversions Part 2

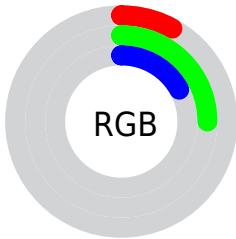
Format	Color
R_{YB}	21, 50, 65
Decimal	1392939
CIE Lab	24.00, -21.27, 9.04
CIE LCh	24, 23.115, 156.980
Yxy	4.1002, 0.2719, 0.4247
Android (android.graphics.Color)	4279583019 (0xFF15412B)
YUV	49.3360, -3.1236, -24.8507
Hunter-Lab	20.2490, -12.2939, 5.5979

Details

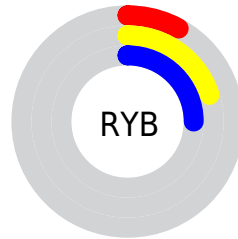
The CIELCh color **24, 23.115, 156.980** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 24.417, 350.600**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 22.733, 157.795**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 25.877, 155.513**, and if you desaturate by 10%, it is **24, 20.102, 158.294**.

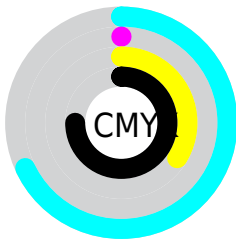
Distribution



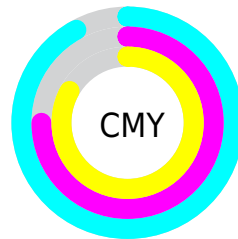
- Red (8%)
- Green (25%)
- Blue (17%)



- Red (8%)
- Yellow (20%)
- Blue (25%)



- Cyan (68%)
- Magenta (0%)
- Yellow (34%)
- Black (75%)





- Cyan (92%)
- Magenta (75%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 23.115, 156.980 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 24, 23.115, 156.980 by changing the saturation by 10% instead.


 24, 23.115,
156.980


 24, 23.115,
156.980


 100, 23.115,
156.980


 14, 23.115,
156.980


 44, 23.115,
156.980

 4, 23.115, 156.980

 54, 23.115,
156.980

 0, 23.115, 156.980

 64, 23.115,
156.980

 74, 23.115,
156.980

 84, 23.115,
156.980

 94, 23.115,

156.980

■ 24, 23.115,
156.980

■ 24, 23.115,
156.980

■ 24, 25.877,
155.513

■ 24, 20.102,
158.294

■ 24, 28.376,
153.910

■ 25, 16.880,
159.470

■ 23, 30.835,
152.516

■ 25, 13.494,
160.526

■ 23, 31.375,
152.249

■ 26, 9.993, 161.479

■ 26, 6.421, 162.347

■ 27, 2.816, 163.165

■ 28, 0.788, 343.583

■ 28, 4.363, 344.433

■ 29, 7.890, 345.063

Harmonies

Complementary

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



24, 23.115, 156.980



15, 24.417, 350.600

Rectangle

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



24, 23.115, 156.980



24, 23.115, 206.980



24, 23.115, 336.980



24, 23.115, 26.980

Sweetspot

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



24, 23.115, 156.980



34, 8.941, 162.092



25, 29.339, 126.447



17, 6.152, 161.989



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 23.115, 156.980



31, 32.809, 154.454



25, 15.462, 196.900



12, 2.040, 163.105



35, 42.457, 150.720



79, 81.351, 148.843

Inverse Universe

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



15, 24.417, 350.600



18, 34.108, 353.689



14, 24.110, 27.313



12, 2.062, 344.227



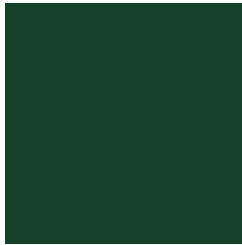
19, 41.974, 359.197



48, 76.869, 2.627

Previews

White Background



This preview shows how the CIE LCh color 24, 23.115, 156.980 looks on a white background.

Color Contrast Check

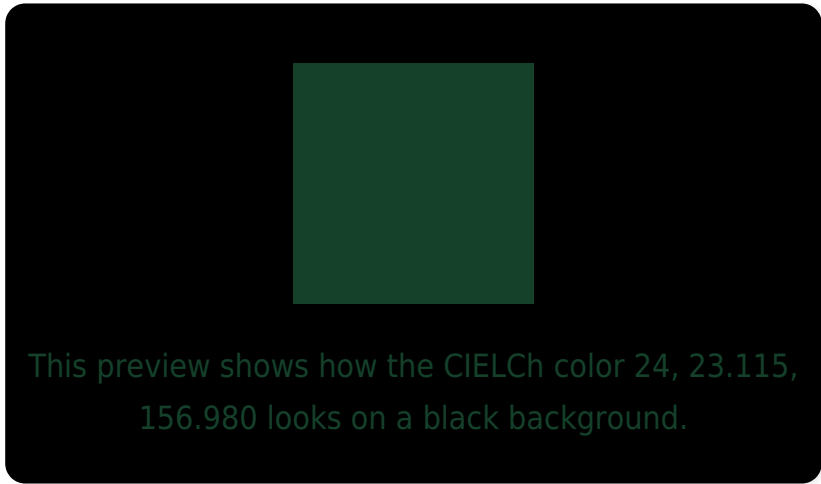
Large Text (above 18pt) WCAG AA ✓ Pass

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

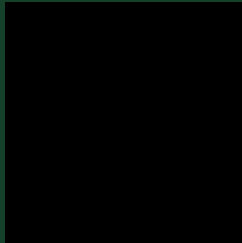
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 23.115, 156.980

Background



This preview shows how black text looks on a background with the CIELCh color 24, 23.115, 156.980.



This preview shows how white text looks on a background with the CIELCh color 24, 23.115, 156.980.

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

24, 23.115, 156.980

Protanopia

24, 11.454, 95.020

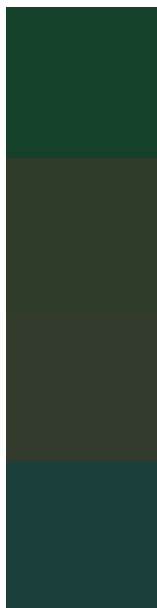
Deuteranopia

24, 8.970, 66.984



Tritanopia
24, 12.165, 213.510

Trichromacy



Original Color
24, 23.115, 156.980

Protanomaly
24, 13.957, 133.955

Deuteranomaly
24, 10.789, 131.515

Tritanomaly
24, 14.453, 183.597

Monochromacy



Original Color
24, 23.115, 156.980

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.098, 161.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 23.115, 156.980 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(21, 65, 43)` looks like.

```
.text, #text, p{  
    color:rgb(21, 65, 43)  
}
```

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(21, 65, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 65, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 23.115, 156.980 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(21, 65, 43) }
```

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

```
.border{ border-color:rgb(21, 65, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 65, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 65, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 65, 43);  
box-shadow:4px 4px 4px 4px rgb(21, 65, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 23.115, 156.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 65, 43) }
```

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

```
.background{ background-color: rgb(21, 65,  
43) }
```

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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