

Converting Colors

CIELCh(25, 23.073, 159.222)

Have a look what the booklet for
CIELCh(25, 23.073, 159.222)
contains.

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Color

CIELCh(25, 23.046, 159.107)

Conversions

Conversions Part 1

Format	Color
Hex	15432E
RGB	21, 67, 46
RGB Percent	8%, 26%, 18%
CMY	0.9162, 0.7360, 0.8184
CMYK	0.68, 0.00, 0.31, 0.74
HSL	153°, 52%, 17%
HSV	153°, 68%, 26%
XYZ	2.8422, 4.4155, 3.3182
YIQ	50.8520, -20.6750, -16.2830

Conversions

Conversions Part 2

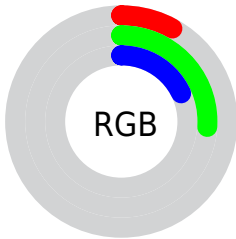
Format	Color
R_{YB}	21, 51, 67
Decimal	1393454
CIE Lab	25.00, -21.53, 8.22
CIE LCh	25, 23.046, 159.107
Yxy	4.4155, 0.2687, 0.4175
Android (android.graphics.Color)	4279583534 (0xFF15432E)
YUV	50.8520, -2.3920, -26.1802
Hunter-Lab	21.0130, -12.6294, 5.3465

Details

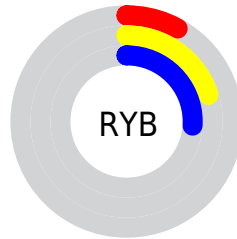
The CIELCh color **25, 23.046, 159.107** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 24.824, 353.582**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 23.185, 158.869**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 25.722, 157.614**, and if you desaturate by 10%, it is **25, 20.108, 160.446**.

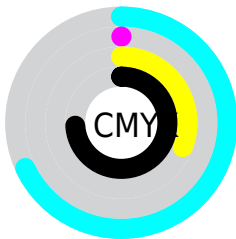
Distribution



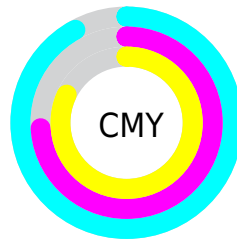
- Red (8%)
- Green (26%)
- Blue (18%)



- Red (8%)
- Yellow (20%)
- Blue (26%)



- Cyan (68%)
- Magenta (0%)
- Yellow (31%)
- Black (74%)





- Cyan (92%)
- Magenta (74%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 23.046, 159.107 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 25, 23.046, 159.107 by changing the saturation by 10% instead.

 25, 23.046,
159.107


 25, 23.046,
159.107

 100, 23.046,
159.107


 15, 23.046,
159.107


 45, 23.046,
159.107


 5, 23.046, 159.107

 55, 23.046,
159.107

 0, 23.046, 159.107

 65, 23.046,
159.107

 75, 23.046,
159.107

 85, 23.046,
159.107

 95, 23.046,

159.107

■ 25, 23.046,
159.107

■ 25, 23.046,
159.107

■ 25, 25.722,
157.614

■ 25, 20.108,
160.446

■ 25, 28.123,
155.982

■ 26, 16.945,
161.648

■ 24, 30.488,
154.544

■ 26, 13.606,
162.730

■ 24, 30.899,
154.324

■ 27, 10.136,
163.711

■ 27, 6.581, 164.608

■ 28, 2.983, 165.455

■ 29, 0.624, 345.826

■ 29, 4.212, 346.784

■ 30, 7.759, 347.450

Harmonies

Complementary

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



25, 23.046, 159.107



15, 24.824, 353.582

Rectangle

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



25, 23.046, 159.107



25, 23.046, 209.107



25, 23.046, 339.107



25, 23.046, 29.107

Sweetspot

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



25, 23.046, 159.106



35, 8.880, 164.388



26, 30.694, 127.582



17, 5.960, 164.290



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



25, 23.046, 159.106



32, 32.537, 156.471



25, 15.396, 200.766



12, 1.979, 165.437



36, 40.636, 152.959



79, 77.757, 151.075

Inverse Universe

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



15, 24.824, 353.582



18, 34.647, 357.183



15, 24.520, 29.368



12, 2.004, 346.596



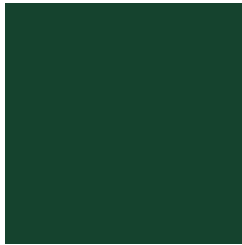
19, 41.658, 2.954



48, 76.649, 6.760

Previews

White Background



This preview shows how the CIELCh color 25, 23.046, 159.107 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 25, 23.046, 159.107 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 25, 23.046, 159.107

Background



This preview shows how black text looks on a background with the CIELCh color 25, 23.046, 159.107.



This preview shows how white text looks on a background with the CIELCh color 25, 23.046, 159.107.

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](#).

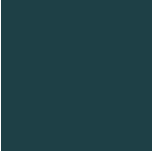
Dichromacy



Original Color
25, 23.046, 159.107

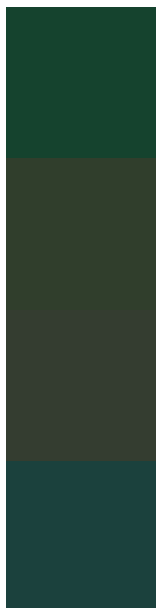
Protanopia
25, 10.760, 94.559

Deuteranopia
25, 7.928, 61.291



Tritanopia
25, 12.786, 215.739

Trichromacy



Original Color
25, 23.046, 159.107

Protanomaly
24, 13.533, 136.882

Deuteranomaly
25, 9.544, 134.666

Tritanomaly
25, 14.759, 186.577

Monochromacy



Original Color
25, 23.046, 159.107

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 9.391, 162.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 23.046, 159.107 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, 67, 46)` looks like.

```
.text, #text, p{  
    color:rgb(21, 67, 46)  
}
```

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, 67, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 67, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 23.046, 159.107 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, 67, 46) }
```

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

```
.border{ border-color:rgb(21, 67, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 67, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 67, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 67, 46);  
box-shadow:4px 4px 4px 4px rgb(21, 67, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 23.046, 159.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 67, 46) }
```

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

```
.background{ background-color: rgb(21, 67,  
46) }
```

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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