

Converting Colors

CIELCh(25, 22.755, 256.183)

Have a look what the booklet for
CIELCh(25, 22.755, 256.183)
contains.

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Color

CIELCh(25, 22.699, 256.412)

Conversions

Conversions Part 1

Format	Color
Hex	073F5C
RGB	7, 63, 92
RGB Percent	3%, 25%, 36%
CMY	0.9738, 0.7516, 0.6378
CMYK	0.93, 0.31, 0.00, 0.64
HSL	200°, 86%, 19%
HSV	200°, 93%, 36%
XYZ	3.8282, 4.4155, 10.8607
YIQ	49.5620, -42.6850, -2.8530

Conversions

Conversions Part 2

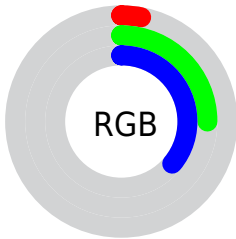
Format	Color
R_{YB}	7, 41, 92
Decimal	474972
CIE Lab	25.00, -5.33, -22.06
CIE LCh	25, 22.699, 256.412
Yxy	4.4155, 0.2004, 0.2311
Android (android.graphics.Color)	4278665052 (0xFF073F5C)
YUV	49.5620, 20.9219, -37.3269
Hunter-Lab	21.0130, -4.2533, -15.9353

Details

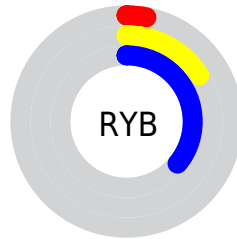
The CIELCh color **25, 22.699, 256.412** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **22, 38.204, 50.459**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 22.613, 256.959**, and **7, 19.390, 277.777** is the 20% darker color. If you saturate the color by 10%, you get **24, 23.951, 259.120**, and if you desaturate by 10%, it is **26, 21.033, 252.424**.

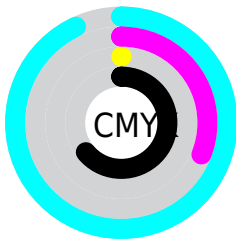
Distribution



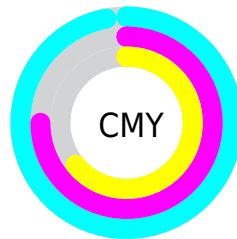
- Red (3%)
- Green (25%)
- Blue (36%)



- Red (3%)
- Yellow (16%)
- Blue (36%)



- Cyan (93%)
- Magenta (31%)
- Yellow (0%)
- Black (64%)




- Cyan (97%)
- Magenta (75%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 22.699, 256.412 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, 22.699, 256.412 by changing the saturation by 10% instead.

 25, 22.699,
256.412

 25, 22.699,
256.412

 100, 22.699,
256.412

 15, 22.699,
256.412


 45, 22.699,
256.412


 5, 22.699, 256.412

 55, 22.699,
256.412

 0, 22.699, 256.412

 65, 22.699,
256.412

 75, 22.699,
256.412

 85, 22.699,
256.412

 95, 22.699,

256.412

■ 25, 22.699,
256.412

■ 25, 22.699,
256.412

■ 24, 23.951,
259.120

■ 26, 21.033,
252.424

■ 28, 19.215,
248.930

■ 29, 17.189,
245.990

■ 31, 14.938,
243.554

■ 32, 12.470,
241.555

■ 34, 9.803, 239.925

■ 35, 6.964, 238.602

■ 37, 3.979, 237.543

■ 39, 0.876, 236.901

Harmonies

Complementary

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



25, 22.699, 256.412



22, 38.204, 50.459

Rectangle

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



25, 22.699, 256.412



25, 22.699, 306.412



25, 22.699, 76.412



25, 22.699, 126.412

Sweetspot

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



25, 22.698, 256.413



44, 10.478, 239.377



34, 45.156, 144.874



22, 7.241, 239.794



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



25, 22.698, 256.413



32, 29.278, 260.860



12, 50.397, 300.173



18, 1.750, 237.202



29, 27.329, 260.310



62, 50.020, 263.884

Inverse Universe

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



19, 42.137, 344.996



25, 51.968, 346.870



34, 39.533, 92.358



17, 3.049, 336.432



23, 48.867, 346.627



52, 85.089, 348.266

Previews

White Background



This preview shows how the CIE LCh color 25, 22.699, 256.412 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 CIE LCh color 25, 22.699, 256.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

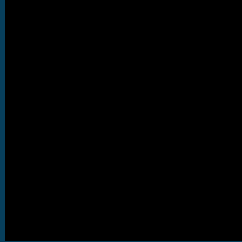
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 22.699, 256.412

Background



This preview shows how black text looks on a background with the CIELCh color 25, 22.699, 256.412.



This preview shows how white text looks on a background with the CIELCh color 25, 22.699, 256.412.

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, 22.643, 256.642

Protanopia

25, 19.214, 284.358

Deuteranopia

25, 22.173, 279.003



Tritanopia
25, 18.379, 207.094

Trichromacy



Original Color
25, 22.643, 256.642

Protanomaly
25, 20.456, 269.088

Deuteranomaly
25, 22.557, 269.269

Tritanomaly
25, 18.409, 227.649

Monochromacy



Original Color
25, 22.643, 256.642

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 10.247, 239.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 22.699, 256.412 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(7, 63, 92)` looks like.

```
.text, #text, p{  
    color:rgb(7, 63, 92)  
}
```

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(7, 63, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 63, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 22.699, 256.412 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(7, 63, 92) }
```

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

```
.border{ border-color:rgb(7, 63, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 63, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 63, 92); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 63, 92); box-shadow:4px  
4px 4px 4px rgb(7, 63, 92) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 22.699, 256.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 63, 92) }
```

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

```
.background{ background-color: rgb(7, 63,  
92) }
```

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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