

Converting Colors

CIELCh(19, 50.503, 215.960)

Have a look what the booklet for
CIELCh(19, 50.503, 215.960)
contains.

CIELCh(24, 22.825, 256.647)	3
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Color

CIELCh(24, 22.825, 256.647)

Conversions

Conversions Part 1

Format	Color
Hex	023D5A
RGB	2, 61, 90
RGB Percent	1%, 24%, 35%
CMY	0.9923, 0.7605, 0.6464
CMYK	0.98, 0.32, 0.00, 0.65
HSL	200°, 96%, 18%
HSV	200°, 98%, 35%
XYZ	3.5505, 4.1002, 10.3151
YIQ	46.6650, -44.4730, -3.4890

Conversions

Conversions Part 2

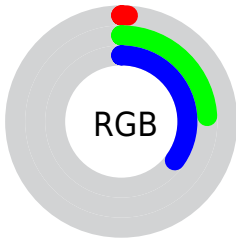
Format	Color
R_{YB}	2, 37, 90
Decimal	146778
CIE _{Lab}	24.00, -5.27, -22.21
CIE _{LCh}	24, 22.825, 256.647
Yxy	4.1002, 0.1976, 0.2282
Android (android.graphics.Color)	4278336858 (0xFF023D5A)
YUV	46.6650, 21.3642, -39.1712
Hunter-Lab	20.2490, -4.1372, -16.0290

Details

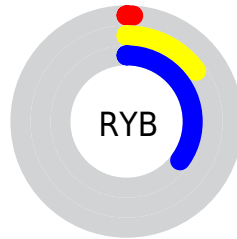
The CIELCh color **24, 22.825, 256.647** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **21, 39.321, 49.093**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 22.777, 256.596**, and **6, 19.185, 278.841** is the 20% darker color. If you saturate the color by 10%, you get **24, 23.188, 257.418**, and if you desaturate by 10%, it is **25, 21.237, 252.809**.

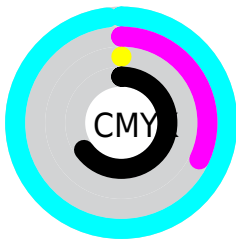
Distribution



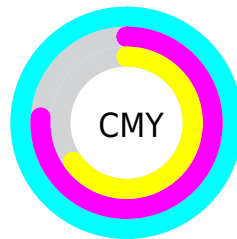
- Red (1%)
- Green (24%)
- Blue (35%)



- Red (1%)
- Yellow (15%)
- Blue (35%)



- Cyan (98%)
- Magenta (32%)
- Yellow (0%)
- Black (65%)



- Cyan (99%)
- Magenta (76%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 22.825, 256.647 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, 22.825, 256.647 by changing the saturation by 10% instead.

 24, 22.825,
256.647

 24, 22.825,
256.647

 100, 22.825,
256.647

 14, 22.825,
256.647

 44, 22.825,
256.647

 4, 22.825, 256.647

 54, 22.825,
256.647

 0, 22.825, 256.647

 64, 22.825,
256.647

 74, 22.825,
256.647

 84, 22.825,
256.647

 94, 22.825,

256.647

■ 24, 22.825,
256.647

■ 24, 22.825,
256.647

■ 24, 23.188,
257.418

■ 25, 21.237,
252.809

■ 26, 19.603,
249.096

■ 28, 17.769,
245.951

■ 29, 15.709,
243.336

■ 31, 13.422,
241.186

■ 32, 10.924,
239.432

■ 34, 8.237, 238.009

■ 35, 5.389, 236.863

■ 37, 2.408, 235.980

Harmonies

Complementary

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



24, 22.825, 256.647



21, 39.321, 49.093

Rectangle

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



24, 22.825, 256.647



24, 22.825, 306.647



24, 22.825, 76.647



24, 22.825, 126.647

Sweetspot

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



24, 22.824, 256.648



43, 10.613, 238.285



33, 46.593, 143.573



21, 7.162, 238.658



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



24, 22.824, 256.648



31, 28.366, 259.203



10, 51.165, 300.579



18, 1.748, 236.056



29, 26.930, 258.783



62, 49.191, 262.351

Inverse Universe

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



18, 42.594, 345.095



25, 51.465, 346.150



32, 39.903, 90.598



17, 3.068, 336.045



23, 49.123, 345.972



52, 85.535, 347.544

Previews

White Background



This preview shows how the CIELCh color 24, 22.825, 256.647 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 24, 22.825, 256.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

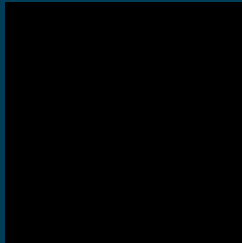
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 22.825, 256.647

Background



This preview shows how black text looks on a background with the CIELCh color 24, 22.825, 256.647.



This preview shows how white text looks on a background with the CIELCh color 24, 22.825, 256.647.

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, 22.778, 256.584

Protanopia

24, 19.359, 283.546

Deuteranopia

24, 22.336, 278.560



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
24, 22.778, 256.584

Protanomaly
24, 21.127, 270.679

Deuteranomaly
24, 22.693, 269.203

Tritanomaly
24, 18.189, 228.237

Monochromacy



Original Color
24, 22.778, 256.584

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 10.649, 243.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 22.825, 256.647 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, 61, 90)` looks like.

```
.text, #text, p{  
    color:rgb(2, 61, 90)  
}
```

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, 61, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 61, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 22.825, 256.647 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, 61, 90) }
```

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

```
.border{ border-color:rgb(2, 61, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 61, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 61, 90); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 61, 90); box-shadow:4px  
4px 4px 4px rgb(2, 61, 90) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 22.825, 256.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 61, 90) }
```

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

```
.background{ background-color: rgb(2, 61,  
90) }
```

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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