

Converting Colors

CIELCh(24, 10.815, 226.449)

Have a look what the booklet for
CIELCh(24, 10.815, 226.449)
contains.

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Color

CIELCh(24, 10.937, 227.234)

Conversions

Conversions Part 1

Format	Color
Hex	233D45
RGB	35, 61, 69
RGB Percent	14%, 24%, 27%
CMY	0.8634, 0.7615, 0.7301
CMYK	0.49, 0.12, 0.00, 0.73
HSL	194°, 33%, 20%
HSV	194°, 49%, 27%
XYZ	3.4149, 4.1002, 6.2123
YIQ	54.1380, -18.0640, -3.0240

Conversions

Conversions Part 2

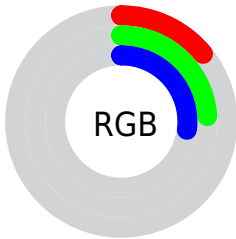
Format	Color
R_{YB}	35, 50, 69
Decimal	2309445
CIE _{Lab}	24.00, -7.43, -8.03
CIE _{LCh}	24, 10.937, 227.234
Yxy	4.1002, 0.2488, 0.2987
Android (android.graphics.Color)	4280499525 (0xFF233D45)
YUV	54.1380, 7.3270, -16.7840
Hunter-Lab	20.2490, -5.3322, -4.0157

Details

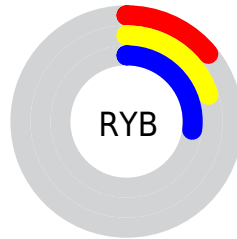
The CIELCh color **24, 10.937, 227.234** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 14.935, 42.852**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 10.855, 228.444**, and **5, 7.730, 240.038** is the 20% darker color. If you saturate the color by 10%, you get **23, 12.609, 228.650**, and if you desaturate by 10%, it is **25, 9.047, 226.112**.

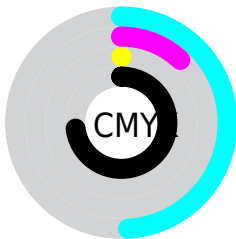
Distribution



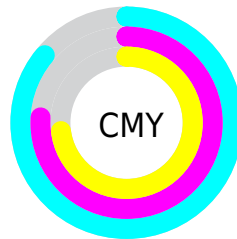
- Red (14%)
- Green (24%)
- Blue (27%)



- Red (14%)
- Yellow (20%)
- Blue (27%)



- Cyan (49%)
- Magenta (12%)
- Yellow (0%)
- Black (73%)





- Cyan (86%)
- Magenta (76%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 10.937, 227.234 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, 10.937, 227.234 by changing the saturation by 10% instead.

 24, 10.937,
227.234

 24, 10.937,
227.234

 100, 10.937,
227.234


 14, 10.937,
227.234


 44, 10.937,
227.234


 4, 10.937, 227.234

 54, 10.937,
227.234

 0, 10.937, 227.234

 64, 10.937,
227.234

 74, 10.937,
227.234

 84, 10.937,
227.234

 94, 10.937,

227.234

■ 24, 10.937,
227.234

■ 24, 10.937,
227.234

■ 23, 12.609,
228.650

■ 25, 9.047, 226.112

■ 26, 6.966, 225.240

■ 22, 14.042,
230.427

■ 27, 4.721, 224.575

■ 21, 15.224,
232.626

■ 28, 2.340, 224.107

■ 21, 16.185,
235.240

■ 29, 0.151, 41.951

■ 30, 2.729, 43.227

■ 20, 17.161,
237.652

■ 32, 5.374, 43.064

■ 20, 17.222,
237.786

■ 33, 8.071, 42.938

Harmonies

Complementary

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



24, 10.937, 227.234



20, 14.935, 42.852

Rectangle

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



24, 10.937, 227.234



24, 10.937, 277.234



24, 10.937, 47.234



24, 10.937, 97.234

Sweetspot

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



24, 10.937, 227.232



36, 4.570, 224.372



26, 22.621, 147.929



17, 3.138, 224.422



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 10.937, 227.232



30, 15.401, 228.971



18, 17.344, 283.381



12, 1.345, 224.076



29, 21.916, 240.128



66, 41.029, 243.771

Inverse Universe

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



19, 22.677, 334.818



24, 32.867, 335.661



26, 16.845, 90.587



12, 2.486, 332.229



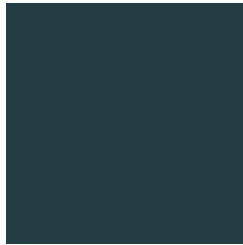
20, 47.967, 339.466



51, 87.389, 340.572

Previews

White Background



This preview shows how the CIE LCh color 24, 10.937, 227.234 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 24, 10.937, 227.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

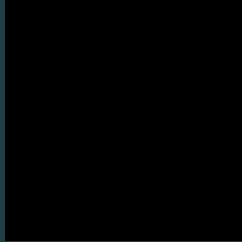
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

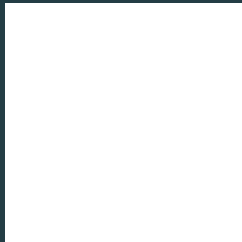
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 10.937, 227.234

Background



This preview shows how black text looks on a background with the CIELCh color 24, 10.937, 227.234.



This preview shows how white text looks on a background with the CIELCh color 24, 10.937, 227.234.

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

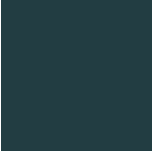
24, 10.937, 227.234

Protanopia

24, 6.651, 287.928

Deuteranopia

24, 9.295, 292.144



Tritanopia
24, 10.736, 215.940

Trichromacy



Original Color
24, 10.937, 227.234

Protanomaly
24, 7.135, 256.195

Deuteranomaly
24, 8.787, 264.548

Tritanomaly
24, 10.855, 219.529

Monochromacy



Original Color
24, 10.937, 227.234

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.329, 226.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 10.937, 227.234 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(35, 61, 69)` looks like.

```
.text, #text, p{  
    color:rgb(35, 61, 69)  
}
```

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(35, 61, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 61, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 10.937, 227.234 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(35, 61, 69) }
```

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

```
.border{ border-color:rgb(35, 61, 69) }
```

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

Here you see how a box with a 4 pixel rgb(35, 61, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 61, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 61, 69);  
box-shadow:4px 4px 4px 4px rgb(35, 61, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 10.937, 227.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 61, 69) }
```

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

```
.background{ background-color: rgb(35, 61,  
69) }
```

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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