

Converting Colors

CIELCh(24, 10.331, 243.437)

Have a look what the booklet for
CIELCh(24, 10.331, 243.437)
contains.

CIELCh(24, 10.337, 243.670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 10.337, 243.670)

Conversions

Conversions Part 1

Format	Color
Hex	283C47
RGB	40, 60, 71
RGB Percent	16%, 24%, 28%
CMY	0.8442, 0.7658, 0.7227
CMYK	0.44, 0.16, 0.00, 0.72
HSL	201°, 28%, 22%
HSV	201°, 44%, 28%
XYZ	3.5944, 4.1002, 6.5162
YIQ	55.2740, -15.4510, -0.8190

Conversions

Conversions Part 2

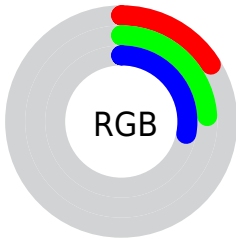
Format	Color
R_{YB}	40, 52, 71
Decimal	2636871
CIE Lab	24.00, -4.58, -9.26
CIE LCh	24, 10.337, 243.670
Yxy	4.1002, 0.2529, 0.2885
Android (android.graphics.Color)	4280826951 (0xFF283C47)
YUV	55.2740, 7.7529, -13.3953
Hunter-Lab	20.2490, -3.7500, -4.9054

Details

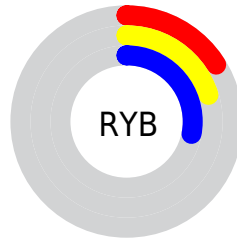
The CIELCh color **24, 10.337, 243.670** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.798, 55.175**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 10.167, 244.045**, and **5, 8.981, 252.764** is the 20% darker color. If you saturate the color by 10%, you get **23, 12.368, 245.628**, and if you desaturate by 10%, it is **25, 8.163, 242.048**.

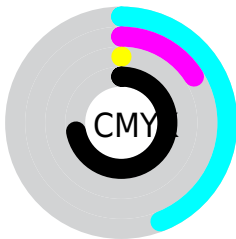
Distribution



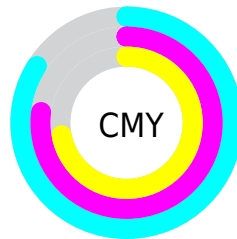
- Red (16%)
- Green (24%)
- Blue (28%)



- Red (16%)
- Yellow (20%)
- Blue (28%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (72%)





- Cyan (84%)
- Magenta (77%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 10.337, 243.670 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, 10.337, 243.670 by changing the saturation by 10% instead.

 24, 10.337,
243.670


 24, 10.337,
243.670

 100, 10.337,
243.670


 14, 10.337,
243.670


 44, 10.337,
243.670


 4, 10.337, 243.670

 54, 10.337,
243.670

 0, 10.337, 243.670

 64, 10.337,
243.670

 74, 10.337,
243.670

 84, 10.337,
243.670

 94, 10.337,

243.670

■ 24, 10.337,
243.670

■ 24, 10.337,
243.670

■ 23, 12.368,
245.628

■ 25, 8.163, 242.048

■ 21, 14.245,
247.987

■ 27, 5.865, 240.716

■ 28, 3.462, 239.632

■ 20, 15.963,
250.805

■ 29, 0.973, 238.879

■ 19, 17.531,
254.123

■ 31, 1.584, 57.738

■ 32, 4.194, 57.188

■ 18, 19.047,
257.599

■ 34, 6.843, 56.672

■ 17, 20.033,
259.474

■ 35, 9.520, 56.229

Harmonies

Complementary

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



24, 10.337, 243.670



23, 12.798, 55.175

Rectangle

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



24, 10.337, 243.670



24, 10.337, 293.670



24, 10.337, 63.670



24, 10.337, 113.670

Sweetspot

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



24, 10.337, 243.668



37, 4.044, 239.602



27, 18.843, 152.887



17, 2.783, 239.716



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, 10.337, 243.668



30, 15.069, 245.904



19, 18.092, 288.987



13, 1.418, 239.169



26, 26.024, 262.254



58, 49.796, 266.341

Inverse Universe

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



21, 19.115, 339.732



25, 28.322, 340.745



28, 16.950, 98.870



13, 2.433, 337.086



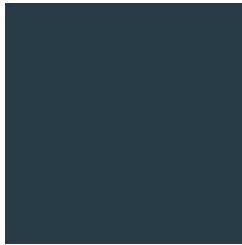
20, 45.313, 347.500



50, 81.629, 349.491

Previews

White Background



This preview shows how the CIE LCh color 24, 10.337, 243.670 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, 10.337, 243.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

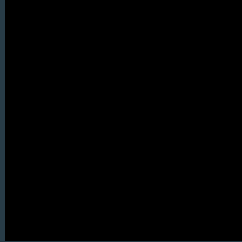
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

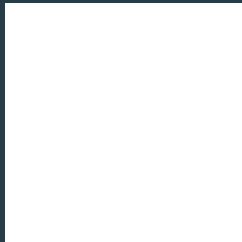
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 10.337, 243.670

Background



This preview shows how black text looks on a background with the CIELCh color 24, 10.337, 243.670.



This preview shows how white text looks on a background with the CIELCh color 24, 10.337, 243.670.

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

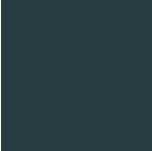
24, 10.337, 243.670

Protanopia

24, 7.999, 285.871

Deuteranopia

24, 10.620, 290.212



Tritanopia
24, 9.510, 218.554

Trichromacy



Original Color
24, 10.337, 243.670

Protanomaly
24, 8.509, 269.354

Deuteranomaly
24, 10.348, 274.333

Tritanomaly
24, 9.579, 227.314

Monochromacy



Original Color
24, 10.337, 243.670

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.295, 237.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 10.337, 243.670 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(40, 60, 71)` looks like.

```
.text, #text, p{  
    color:rgb(40, 60, 71)  
}
```

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(40, 60, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 60, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 10.337, 243.670 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(40, 60, 71) }
```

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

```
.border{ border-color:rgb(40, 60, 71) }
```

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

Here you see how a box with a 4 pixel rgb(40, 60, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 60, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 60, 71);  
box-shadow:4px 4px 4px 4px rgb(40, 60, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 10.337, 243.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 60, 71) }
```

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

```
.background{ background-color: rgb(40, 60,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor