

Converting Colors

CIELCh(24, 17.448, 265.875)

Have a look what the booklet for
CIELCh(24, 17.448, 265.875)
contains.

CIELCh(24, 17.421, 265.712)	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, 17.421, 265.712)

Conversions

Conversions Part 1

Format	Color
Hex	233B53
RGB	35, 59, 83
RGB Percent	14%, 23%, 33%
CMY	0.8630, 0.7689, 0.6748
CMYK	0.58, 0.29, 0.00, 0.67
HSL	210°, 41%, 23%
HSV	210°, 58%, 33%
XYZ	3.8095, 4.1002, 8.7594
YIQ	54.5600, -22.0080, 2.3760

Conversions

Conversions Part 2

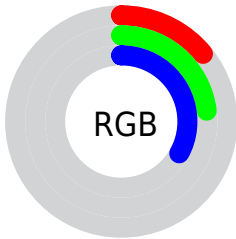
Format	Color
RYB	35, 51, 83
Decimal	2308947
CIELab	24.00, -1.30, -17.37
CIELCh	24, 17.421, 265.712
Yxy	4.1002, 0.2285, 0.2460
Android (android.graphics.Color)	4280499027 (0xFF233B53)
YUV	54.5600, 14.0209, -17.1541
Hunter-Lab	20.2490, -1.8543, -11.4736

Details

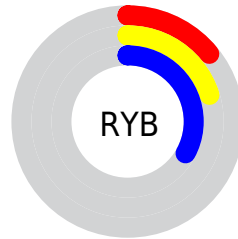
The CIELCh color **24, 17.421, 265.712** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 20.318, 68.784**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.581, 266.688**, and **5, 16.502, 277.116** is the 20% darker color. If you saturate the color by 10%, you get **22, 20.266, 268.616**, and if you desaturate by 10%, it is **26, 14.526, 263.207**.

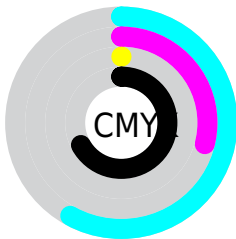
Distribution



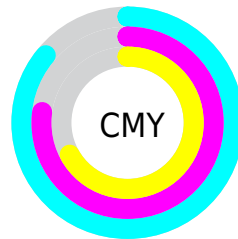
- Red (14%)
- Green (23%)
- Blue (33%)



- Red (14%)
- Yellow (20%)
- Blue (33%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (67%)



- Cyan (86%)
- Magenta (77%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 17.421, 265.712 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, 17.421, 265.712 by changing the saturation by 10% instead.

■ 24, 17.421,
265.712

■ 24, 17.421,
265.712

■ 100, 17.421,
265.712

■ 14, 17.421,
265.712

■ 44, 17.421,
265.712

■ 4, 17.421, 265.712

■ 54, 17.421,
265.712

■ 0, 17.421, 265.712

■ 64, 17.421,
265.712

■ 74, 17.421,
265.712

■ 84, 17.421,
265.712

■ 94, 17.421,

265.712

■ 24, 17.421,
265.712

■ 24, 17.421,
265.712

■ 22, 20.266,
268.616

■ 26, 14.526,
263.207

■ 20, 23.080,
271.936

■ 28, 11.577,
261.065

■ 19, 25.893,
275.647

■ 30, 8.576, 259.241

■ 32, 5.531, 257.693

■ 17, 28.801,
279.188

■ 34, 2.450, 256.402

■ 17, 29.437,
279.858

■ 36, 0.655, 74.878

■ 38, 3.775, 74.135

■ 40, 6.901, 73.299

■ 42, 10.024, 72.557

Harmonies

Complementary

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



24, 17.421, 265.712



27, 20.318, 68.784

Rectangle

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



24, 17.421, 265.712



24, 17.421, 315.712



24, 17.421, 85.712



24, 17.421, 135.712

Sweetspot

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



24, 17.420, 265.712



41, 6.496, 257.649



31, 24.937, 157.134



20, 4.292, 257.785



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



24, 17.420, 265.712



29, 25.378, 269.714



17, 32.742, 297.476



15, 1.713, 256.496



22, 35.597, 281.419



50, 68.221, 284.769

Inverse Universe

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



21, 25.968, 349.446



26, 36.950, 351.645



34, 28.305, 104.437



15, 2.464, 344.248



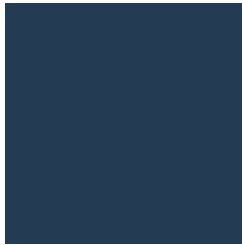
21, 44.230, 359.572



50, 78.830, 2.684

Previews

White Background



This preview shows how the CIE LCh color 24, 17.421, 265.712 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, 17.421, 265.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

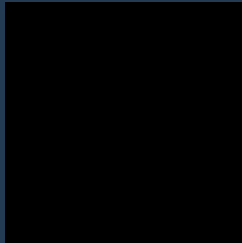
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

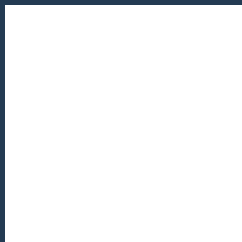
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 17.421, 265.712

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.421, 265.712.



This preview shows how white text looks on a background with the CIELCh color 24, 17.421, 265.712.

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

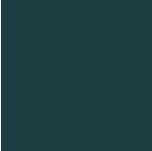
24, 17.421, 265.712

Protanopia

24, 16.694, 284.662

Deuteranopia

24, 17.506, 280.627



Tritanopia
24, 12.695, 212.749

Trichromacy



Original Color
24, 17.421, 265.712

Protanomaly
24, 17.017, 277.681

Deuteranomaly
24, 17.223, 274.430

Tritanomaly
24, 12.970, 236.196

Monochromacy



Original Color
24, 17.421, 265.712

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 6.961, 259.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.421, 265.712 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, 59, 83)` looks like.

```
.text, #text, p{  
    color:rgb(35, 59, 83)  
}
```

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, 59, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 59, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.421, 265.712 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, 59, 83) }
```

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

```
.border{ border-color:rgb(35, 59, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 59, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 59, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 59, 83);  
box-shadow:4px 4px 4px 4px rgb(35, 59, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.421, 265.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 59, 83) }
```

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

```
.background{ background-color: rgb(35, 59,  
83) }
```

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