

Converting Colors

CIELCh(25, 22.354, 310.263)

Have a look what the booklet for
CIELCh(25, 22.354, 310.263)
contains.

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Color

CIELCh(25, 21.974, 309.748)

Conversions

Conversions Part 1

Format	Color
Hex	443555
RGB	68, 53, 85
RGB Percent	27%, 21%, 33%
CMY	0.7338, 0.7926, 0.6671
CMYK	0.20, 0.38, 0.00, 0.67
HSL	268°, 23%, 27%
HSV	268°, 38%, 33%
XYZ	5.2795, 4.4155, 9.1444
YIQ	61.1330, -1.3320, 13.1320

Conversions

Conversions Part 2

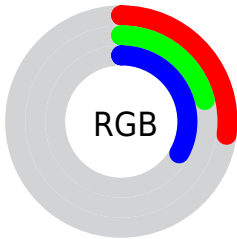
Format	Color
RYB	68, 53, 85
Decimal	4470101
CIELab	25.00, 14.05, -16.90
CIELCh	25, 21.974, 309.748
Yxy	4.4155, 0.2802, 0.2344
Android (android.graphics.Color)	4282660181 (0xFF443555)
YUV	61.1330, 11.7664, 6.0224
Hunter-Lab	21.0130, 8.0748, -11.0925

Details

The CIELCh color $25, 21.974, 309.748$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $34, 20.848, 126.325$, and the grayscale version is $26, 0.004, 296.813$.

A 20% lighter version of the original color is $45, 21.951, 309.784$, and $5, 22.423, 310.190$ is the 20% darker color. If you saturate the color by 10%, you get $22, 28.051, 310.282$, and if you desaturate by 10%, it is $28, 15.961, 309.228$.

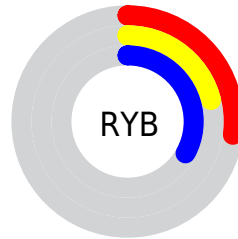
Distribution



Red (27%)

Green (21%)

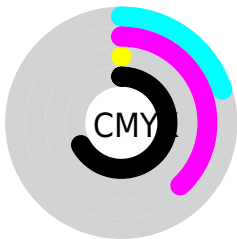
Blue (33%)



Red (27%)

Yellow (21%)

Blue (33%)

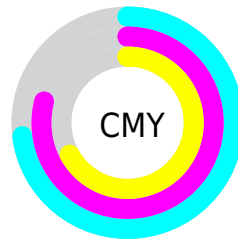


Cyan (20%)

Magenta (38%)

Yellow (0%)

Black (67%)



Cyan (73%)


Magenta (79%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 21.974, 309.748 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, 21.974, 309.748 by changing the saturation by 10% instead.

 25, 21.974,
309.748


 25, 21.974,
309.748

 100, 21.974,
309.748

 15, 21.974,
309.748


 45, 21.974,
309.748

 5, 21.974, 309.748

 55, 21.974,
309.748

 0, 21.974, 309.748

 65, 21.974,
309.748

 75, 21.974,
309.748

 85, 21.974,
309.748

 95, 21.974,

309.748

■ 25, 21.974,
309.748

■ 25, 21.974,
309.748

■ 22, 28.051,
310.282

■ 28, 15.961,
309.228

■ 19, 34.103,
310.803

■ 31, 10.066,
308.736

■ 17, 39.977,
311.272

■ 34, 4.317, 308.275

■ 14, 45.440,
311.626

■ 37, 1.274, 127.922

■ 12, 50.169,
311.784

■ 40, 6.705, 127.514

■ 10, 54.734,
311.998

■ 43, 11.977,
127.179

■ 46, 17.094,
126.883

■ 10, 55.929,
312.114

■ 49, 22.064,
126.623

■ 51, 26.893,
126.395

Harmonies

Complementary

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



25, 21.974, 309.748



34, 20.848, 126.325

Rectangle

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



25, 21.974, 309.748



25, 21.974, 359.748



25, 21.974, 129.748



25, 21.974, 179.748

Sweetspot

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



25, 21.973, 309.748



42, 7.669, 308.441



29, 11.358, 257.233



21, 5.199, 308.476



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



25, 21.973, 309.748



30, 32.670, 310.218



27, 24.197, 325.331



16, 3.203, 308.325



14, 65.981, 311.774



37, 118.147, 311.039

Inverse Universe

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



26, 17.841, 345.180



32, 26.218, 346.134



33, 24.165, 141.175



16, 2.651, 342.600



22, 45.349, 356.962



51, 79.946, 359.722

Previews

White Background



This preview shows how the CIE LCh color 25, 21.974, 309.748 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 25, 21.974, 309.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

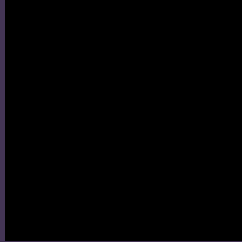
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 21.974, 309.748

Background



This preview shows how black text looks on a background with the CIELCh color 25, 21.974, 309.748.



This preview shows how white text looks on a background with the CIELCh color 25, 21.974, 309.748.

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

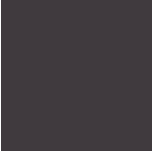
25, 21.974, 309.748

Protanopia

25, 20.543, 285.422

Deuteranopia

25, 16.612, 283.233



Tritanopia
25, 3.795, 336.201

Trichromacy



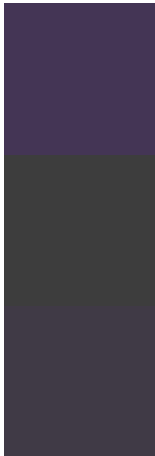
Original Color
25, 21.974, 309.748

Protanomaly
25, 21.125, 294.421

Deuteranomaly
25, 17.811, 293.773

Tritanomaly
25, 10.070, 314.643

Monochromacy



Original Color
25, 21.974, 309.748

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 8.350, 309.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 21.974, 309.748 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(68, 53, 85)` looks like.

```
.text, #text, p{  
    color:rgb(68, 53, 85)  
}
```

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(68, 53, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 53, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 21.974, 309.748 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(68, 53, 85) }
```

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

```
.border{ border-color:rgb(68, 53, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 53, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 53, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 53, 85);  
box-shadow:4px 4px 4px 4px rgb(68, 53, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 21.974, 309.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 53, 85) }
```

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

```
.background{ background-color: rgb(68, 53,  
85) }
```

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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