

Converting Colors

CIELCh(25, 21.391, 316.200)

Have a look what the booklet for
CIELCh(25, 21.391, 316.200)
contains.

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Color

CIELCh(25, 21.378, 316.101)

Conversions

Conversions Part 1

Format	Color
Hex	483452
RGB	72, 52, 82
RGB Percent	28%, 20%, 32%
CMY	0.7184, 0.7968, 0.6792
CMYK	0.12, 0.37, 0.00, 0.68
HSL	280°, 22%, 26%
HSV	280°, 37%, 32%
XYZ	5.3927, 4.4155, 8.5107
YIQ	61.4000, 2.2900, 13.5700

Conversions

Conversions Part 2

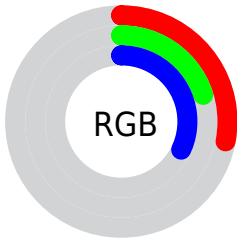
Format	Color
R_{YB}	72, 52, 82
Decimal	4731986
CIE _{Lab}	25.00, 15.40, -14.82
CIE _{LCh}	25, 21.378, 316.101
Yxy	4.4155, 0.2944, 0.2410
Android (android.graphics.Color)	4282922066 (0xFF483452)
YUV	61.4000, 10.1558, 9.2962
Hunter-Lab	21.0130, 9.0363, -9.3045

Details

The CIELCh color **25, 21.378, 316.101** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **32, 20.777, 133.087**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 21.493, 315.694**, and **5, 21.252, 315.765** is the 20% darker color. If you saturate the color by 10%, you get **22, 27.270, 316.485**, and if you desaturate by 10%, it is **28, 15.452, 315.699**.

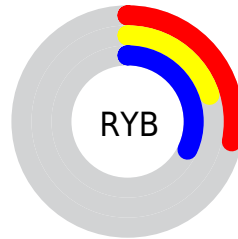
Distribution



 Red (28%)

 Green (20%)

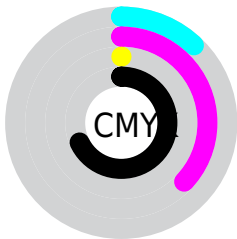
 Blue (32%)



 Red (28%)

 Yellow (20%)

 Blue (32%)

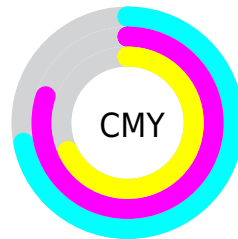


 Cyan (12%)

 Magenta (37%)

 Yellow (0%)

 Black (68%)



 Cyan (72%)


 Magenta (80%)


 Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 21.378, 316.101 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, 21.378, 316.101 by changing the saturation by 10% instead.

 25, 21.378,
316.101


 25, 21.378,
316.101

 100, 21.378,
316.101


 15, 21.378,
316.101


 45, 21.378,
316.101


 5, 21.378, 316.101

 55, 21.378,
316.101

 0, 21.378, 316.101

 65, 21.378,
316.101

 75, 21.378,
316.101

 85, 21.378,
316.101

 95, 21.378,

316.101

■ 25, 21.378,
316.101

■ 25, 21.378,
316.101

■ 22, 27.270,
316.485

■ 28, 15.452,
315.699

■ 20, 33.014,
316.828

■ 30, 9.574, 315.295

■ 18, 38.442,
317.093

■ 33, 3.789, 314.892

■ 36, 1.873, 134.595

■ 16, 43.332,
317.238

■ 38, 7.396, 134.214

■ 14, 47.421,
317.208

■ 41, 12.775,
133.890

■ 13, 51.125,
317.139

■ 44, 18.008,
133.595

■ 12, 52.495,
317.168

■ 47, 23.098,
133.328

■ 49, 28.048,
133.087

Harmonies

Complementary

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



25, 21.378, 316.101



32, 20.777, 133.087

Rectangle

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



25, 21.378, 316.101



25, 21.378, 6.101



25, 21.378, 136.101



25, 21.378, 186.101

Sweetspot

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



25, 21.377, 316.101



42, 7.858, 315.084



26, 13.212, 275.118



20, 5.222, 315.111



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



25, 21.377, 316.101



31, 32.129, 316.445



26, 20.810, 330.883



15, 3.180, 314.976



17, 62.367, 316.854



42, 112.320, 316.183

Inverse Universe

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



25, 15.189, 357.418



32, 22.898, 358.682



32, 20.771, 146.303



15, 2.223, 354.356



20, 44.363, 14.792



49, 80.789, 18.941

Previews

White Background



This preview shows how the CIE LCh color 25, 21.378, 316.101 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, 21.378, 316.101 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, 21.378, 316.101

Background



This preview shows how black text looks on a background with the CIELCh color 25, 21.378, 316.101.

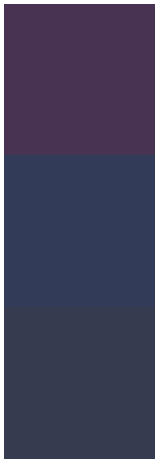


This preview shows how white text looks on a background with the CIELCh color 25, 21.378, 316.101.

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](#).

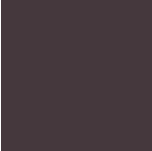
Dichromacy



Original Color
25, 21.378, 316.101

Protanopia
25, 18.576, 283.827

Deuteranopia
25, 13.900, 284.990



Tritanopia
25, 6.805, 351.942

Trichromacy



Original Color
25, 21.378, 316.101

Protanomaly
25, 19.188, 296.294

Deuteranomaly
25, 16.631, 298.934

Tritanomaly
25, 12.138, 327.304

Monochromacy



Original Color
25, 21.378, 316.101

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 7.888, 314.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 21.378, 316.101 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(72, 52, 82)` looks like.

```
.text, #text, p{  
    color:rgb(72, 52, 82)  
}
```

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(72, 52, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 52, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 21.378, 316.101 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(72, 52, 82) }
```

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

```
.border{ border-color:rgb(72, 52, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 52, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 52, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 52, 82);  
box-shadow:4px 4px 4px 4px rgb(72, 52, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 21.378, 316.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 52, 82) }
```

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

```
.background{ background-color: rgb(72, 52,  
82) }
```

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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