

Converting Colors

CIELCh(25, 12.387, 220.873)

Have a look what the booklet for
CIELCh(25, 12.387, 220.873)
contains.

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Color

CIELCh(25, 12.373, 219.769)

Conversions

Conversions Part 1

Format	Color
Hex	204047
RGB	32, 64, 71
RGB Percent	13%, 25%, 28%
CMY	0.8749, 0.7494, 0.7219
CMYK	0.55, 0.10, 0.00, 0.72
HSL	191°, 38%, 20%
HSV	191°, 55%, 28%
XYZ	3.5550, 4.4155, 6.6102
YIQ	55.2300, -21.3190, -4.6070

Conversions

Conversions Part 2

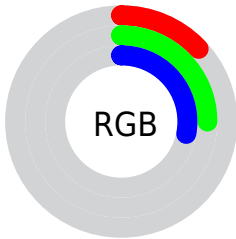
Format	Color
R_{YB}	32, 50, 71
Decimal	2113607
CIE Lab	25.00, -9.51, -7.91
CIE LCh	25, 12.373, 219.769
Yxy	4.4155, 0.2438, 0.3028
Android (android.graphics.Color)	4280303687 (0xFF204047)
YUV	55.2300, 7.7746, -20.3727
Hunter-Lab	21.0130, -6.5737, -3.9421

Details

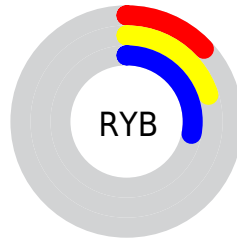
The CIELCh color **25, 12.373, 219.769** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 17.977, 38.030**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 12.260, 218.255**, and **6, 8.500, 231.711** is the 20% darker color. If you saturate the color by 10%, you get **24, 13.903, 220.909**, and if you desaturate by 10%, it is **26, 10.575, 218.893**.

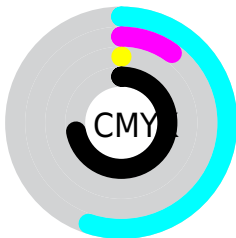
Distribution



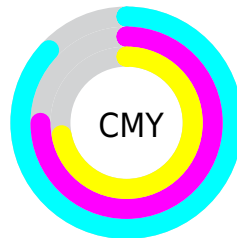
- Red (13%)
- Green (25%)
- Blue (28%)



- Red (13%)
- Yellow (20%)
- Blue (28%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (72%)





- Cyan (87%)
- Magenta (75%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 12.373, 219.769 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, 12.373, 219.769 by changing the saturation by 10% instead.

 25, 12.373,
219.769


 25, 12.373,
219.769

 100, 12.373,
219.769


 15, 12.373,
219.769


 45, 12.373,
219.769


 5, 12.373, 219.769

 55, 12.373,
219.769

 0, 12.373, 219.769

 65, 12.373,
219.769

 75, 12.373,
219.769

 85, 12.373,
219.769

 95, 12.373,

219.769

■ 25, 12.373,
219.769

■ 25, 12.373,
219.769

■ 24, 13.903,
220.909

■ 26, 10.575,
218.893

■ 24, 15.146,
222.370

■ 27, 8.539, 218.242

■ 23, 16.092,
224.205

■ 28, 6.297, 217.775

■ 29, 3.882, 217.469

■ 22, 16.890,
226.182

■ 30, 1.325, 217.384

■ 22, 17.310,
227.082

■ 31, 1.346, 36.872

■ 32, 4.105, 36.956

■ 33, 6.931, 36.993

Harmonies

Complementary

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



25, 12.373, 219.769



20, 17.977, 38.030

Rectangle

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



25, 12.373, 219.769



25, 12.373, 269.769



25, 12.373, 39.769



25, 12.373, 89.769

Sweetspot

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



25, 12.373, 219.767



37, 5.412, 217.535



27, 26.946, 145.116



17, 3.561, 217.554



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 12.373, 219.767



32, 17.148, 221.391



18, 18.216, 280.017



13, 1.472, 217.368



32, 21.831, 228.829



70, 39.961, 231.590

Inverse Universe

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



19, 26.624, 332.982



23, 38.214, 333.828



25, 18.304, 84.643



13, 2.757, 330.252



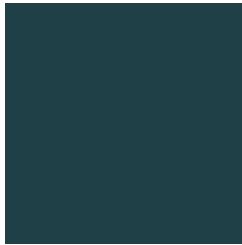
21, 50.771, 336.338



52, 91.859, 337.069

Previews

White Background



This preview shows how the CIE LCh color 25, 12.373, 219.769 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, 12.373, 219.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

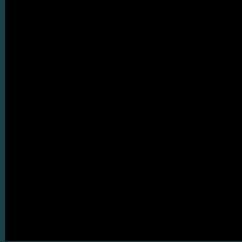
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

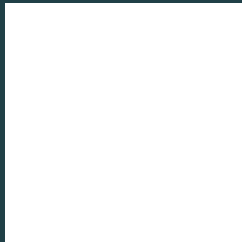
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 12.373, 219.769

Background



This preview shows how black text looks on a background with the CIELCh color 25, 12.373, 219.769.



This preview shows how white text looks on a background with the CIELCh color 25, 12.373, 219.769.

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](#).

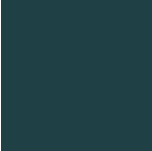
Dichromacy



Original Color
25, 12.373, 219.769

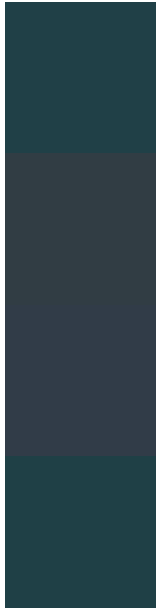
Protanopia
25, 5.283, 286.616

Deuteranopia
25, 9.244, 292.092



Tritanopia
25, 12.455, 213.034

Trichromacy



Original Color
25, 12.373, 219.769

Protanomaly
25, 6.643, 243.032

Deuteranomaly
25, 8.914, 262.198

Tritanomaly
25, 12.526, 216.167

Monochromacy



Original Color
25, 12.373, 219.769

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 5.048, 222.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 12.373, 219.769 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(32, 64, 71)` looks like.

```
.text, #text, p{  
    color:rgb(32, 64, 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(32, 64, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 64, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 12.373, 219.769 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(32, 64, 71) }
```

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

```
.border{ border-color:rgb(32, 64, 71) }
```

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

Here you see how a box with a 4 pixel rgb(32, 64, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 64, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 64, 71);  
box-shadow:4px 4px 4px 4px rgb(32, 64, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 12.373, 219.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 64, 71) }
```

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

```
.background{ background-color: rgb(32, 64,  
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](#).

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