

Converting Colors

CIELCh(37, 22.712, 263.505)

Have a look what the booklet for
CIELCh(37, 22.712, 263.505)
contains.

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Color

CIELCh(37, 22.712, 263.505)

Conversions

Conversions Part 1

Format	Color
Hex	365A7B
RGB	54, 90, 123
RGB Percent	21%, 35%, 48%
CMY	0.7880, 0.6469, 0.5174
CMYK	0.56, 0.27, 0.00, 0.52
HSL	209°, 39%, 35%
HSV	209°, 56%, 48%
XYZ	8.7631, 9.5379, 20.1355
YIQ	82.9980, -32.0490, 2.6310

Conversions

Conversions Part 2

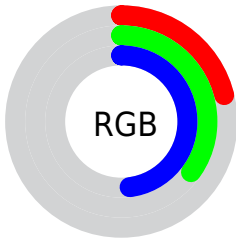
Format	Color
RYB	54, 78, 123
Decimal	3562107
CIELab	37.00, -2.57, -22.57
CIELCh	37, 22.712, 263.505
Yxy	9.5379, 0.2280, 0.2481
Android (android.graphics.Color)	4281752187 (0xFF365A7B)
YUV	82.9980, 19.7210, -25.4312
Hunter-Lab	30.8835, -3.3975, -17.0375

Details

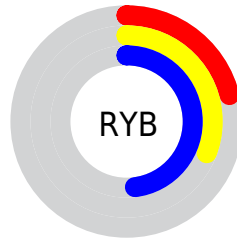
The CIELCh color $37, 22.712, 263.505$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $40, 27.180, 66.540$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 22.832, 263.715$, and $17, 22.042, 265.562$ is the 20% darker color. If you saturate the color by 10%, you get $35, 26.452, 266.616$, and if you desaturate by 10%, it is $40, 18.873, 260.851$.

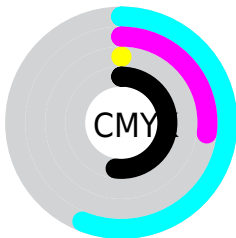
Distribution



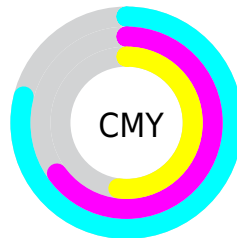
- Red (21%)
- Green (35%)
- Blue (48%)



- Red (21%)
- Yellow (31%)
- Blue (48%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (52%)





- Cyan (79%)
- Magenta (65%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 22.712, 263.505 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 37, 22.712, 263.505 by changing the saturation by 10% instead.


 37, 22.712,
263.505


 37, 22.712,
263.505

 100, 22.712,
263.505

 27, 22.712,
263.505

 57, 22.712,
263.505

 17, 22.712,
263.505

 67, 22.712,
263.505

 7, 22.712, 263.505

 77, 22.712,
263.505

 0, 22.712, 263.505

 87, 22.712,
263.505

 97, 22.712,
263.505

■ 37, 22.712,
263.505

■ 37, 22.712,
263.505

■ 35, 26.452,
266.616

■ 40, 18.873,
260.851

■ 32, 30.121,
270.202

■ 42, 14.930,
258.607

■ 30, 33.770,
274.233

■ 45, 10.889,
256.720

■ 28, 37.478,
278.519

■ 47, 6.764, 255.139

■ 27, 38.990,
280.075

■ 50, 2.573, 253.854

■ 53, 1.665, 72.440

■ 55, 5.935, 71.576

■ 58, 10.220, 70.751

■ 61, 14.508, 70.028

Harmonies

Complementary

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



37, 22.712, 263.505



40, 27.180, 66.540

Rectangle

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



37, 22.712, 263.505



37, 22.712, 313.505



37, 22.712, 83.505



37, 22.712, 133.505

Sweetspot

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



37, 22.711, 263.505



60, 8.891, 255.336



47, 33.870, 156.184



31, 5.987, 255.575



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



37, 22.711, 263.505



45, 33.264, 267.493



27, 43.182, 297.064



24, 2.372, 254.200



28, 39.479, 280.156



56, 69.899, 282.818

Inverse Universe

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



33, 35.155, 348.247



40, 50.384, 350.329



50, 37.368, 103.561



24, 3.524, 343.160



26, 50.368, 358.501



54, 84.292, 0.821

Previews

White Background



This preview shows how the CIE LCh color 37, 22.712, 263.505 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 37, 22.712, 263.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

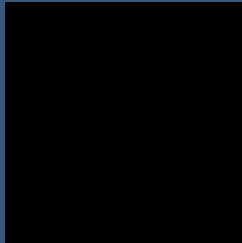
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

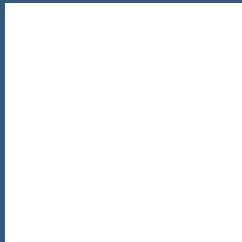
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 22.712, 263.505

Background



This preview shows how black text looks on a background with the CIELCh color 37, 22.712, 263.505.

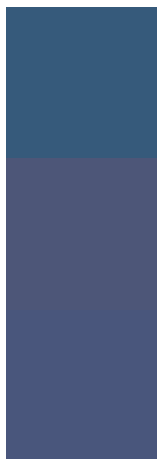


This preview shows how white text looks on a background with the CIELCh color 37, 22.712, 263.505.

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


37, 22.712, 263.505

Protanopia

37, 21.133, 284.884

Deuteranopia

37, 23.713, 283.172



Tritanopia
37, 16.788, 214.795

Trichromacy



Original Color
37, 22.712, 263.505

Protanomaly
37, 21.618, 277.102

Deuteranomaly
37, 23.570, 276.728

Tritanomaly
37, 17.441, 235.330

Monochromacy



Original Color
37, 22.712, 263.505

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.060, 254.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 22.712, 263.505 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(54, 90, 123)` looks like.

```
.text, #text, p{  
    color:rgb(54, 90, 123)  
}
```

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(54, 90, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 90, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 22.712, 263.505 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(54, 90, 123) }
```

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

```
.border{ border-color:rgb(54, 90, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 90, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 90, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 90, 123);  
box-shadow:4px 4px 4px 4px rgb(54, 90,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 22.712, 263.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 90, 123) }
```

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

```
.background{ background-color: rgb(54, 90,  
123) }
```

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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