

Converting Colors

CIELCh(37, 6.788, 321.181)

Have a look what the booklet for
CIELCh(37, 6.788, 321.181) contains.

CIELCh(37, 6.520, 321.805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 6.520, 321.805)

Conversions

Conversions Part 1

Format	Color
Hex	5D555E
RGB	93, 85, 94
RGB Percent	36%, 33%, 37%
CMY	0.6369, 0.6683, 0.6330
CMYK	0.01, 0.10, 0.00, 0.63
HSL	293°, 5%, 35%
HSV	293°, 10%, 37%
XYZ	9.6893, 9.5379, 11.8213
YIQ	88.4180, 1.8790, 4.4950

Conversions

Conversions Part 2

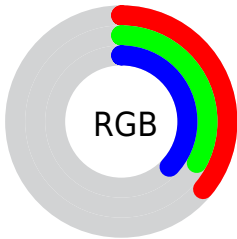
Format	Color
R_{YB}	93, 85, 94
Decimal	6116702
CIE Lab	37.00, 5.12, -4.03
CIE LCh	37, 6.520, 321.805
Yxy	9.5379, 0.3121, 0.3072
Android (android.graphics.Color)	4284306782 (0xFF5D555E)
YUV	88.4180, 2.7519, 4.0184
Hunter-Lab	30.8835, 1.9560, -1.0759

Details

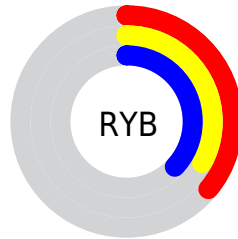
The CIELCh color $37, 6.520, 321.805$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 6.496, 140.968$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 6.030, 321.660$, and $17, 6.471, 321.642$ is the 20% darker color. If you saturate the color by 10%, you get $34, 13.380, 322.262$, and if you desaturate by 10%, it is $40, 0.258, 141.900$.

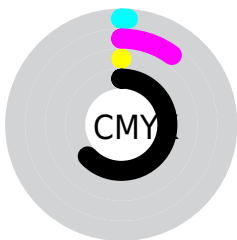
Distribution



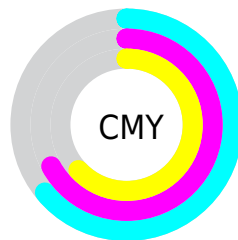
- Red (36%)
- Green (33%)
- Blue (37%)



- Red (36%)
- Yellow (33%)
- Blue (37%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (63%)



- Cyan (64%)
- Magenta (67%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 6.520, 321.805 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, 6.520, 321.805 by changing the saturation by 10% instead.

■ 37, 6.520, 321.805

■ 37, 6.520, 321.805

■ 100, 6.520,
321.805

■ 27, 6.520, 321.805

■ 57, 6.520, 321.805

■ 17, 6.520, 321.805

■ 67, 6.520, 321.805

■ 7, 6.520, 321.805

■ 77, 6.520, 321.805

■ 0, 6.520, 321.805

■ 87, 6.520, 321.805

■ 97, 6.520, 321.805

■ 37, 6.520, 321.805

■ 37, 6.520, 321.805

■ 34, 13.380,
322.262

■ 40, 0.258, 141.900

32, 20.253,
322.706

43, 6.905, 140.972

29, 27.030,
323.129

46, 13.393,
140.549

27, 33.563,
323.515

49, 19.709,
140.154

24, 39.655,
323.842

52, 25.848,
139.783

22, 45.071,
324.087

54, 31.809,
139.436

21, 49.561,
324.225

57, 37.598,
139.114

20, 52.908,
324.233

60, 43.221,
138.815

19, 55.799,
324.204

63, 48.685,
138.539

Harmonies

Complementary

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



37, 6.520, 321.805



39, 6.496, 140.968

Rectangle

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



37, 6.520, 321.805



37, 6.520, 11.805



37, 6.520, 141.805



37, 6.520, 191.805

Sweetspot

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



37, 6.519, 321.805



50, 2.529, 321.472



37, 4.933, 285.989



25, 1.900, 321.512



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 6.519, 321.805



47, 10.174, 321.933



37, 5.150, 338.483



17, 3.739, 321.767



23, 62.516, 324.128



52, 110.268, 323.869

Inverse Universe

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



37, 3.939, 10.922



47, 6.187, 11.181



39, 5.112, 157.233



17, 2.255, 10.847



21, 51.201, 32.261



50, 94.030, 35.992

Previews

White Background



This preview shows how the CIELCh color 37, 6.520, 321.805 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, 6.520, 321.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

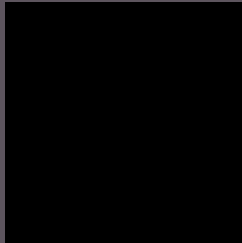
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 6.520, 321.805

Background



This preview shows how black text looks on a background with the CIELCh color 37, 6.520, 321.805.



This preview shows how white text looks on a background with the CIELCh color 37, 6.520, 321.805.

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, 6.520, 321.805

Protanopia

37, 4.954, 286.249

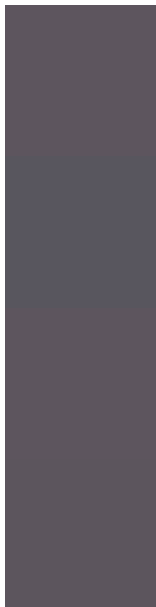
Deuteranopia

37, 6.520, 321.805



Tritanopia
37, 5.260, 324.799

Trichromacy



Original Color

37, 6.520, 321.805

Protanomaly

37, 5.032, 300.413

Deuteranomaly

37, 6.520, 321.805

Tritanomaly

37, 5.778, 321.358

Monochromacy



Original Color

37, 6.520, 321.805

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 2.259, 324.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 6.520, 321.805 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(93, 85, 94)` looks like.

```
.text, #text, p{  
    color:rgb(93, 85, 94)  
}
```

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(93, 85, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 85, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 6.520, 321.805 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(93, 85, 94) }
```

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

```
.border{ border-color:rgb(93, 85, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 85, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 85, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 85, 94);  
box-shadow:4px 4px 4px 4px rgb(93, 85, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 6.520, 321.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 85, 94) }
```

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

```
.background{ background-color: rgb(93, 85,  
94) }
```

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