

Converting Colors

CIELCh(37, 1.955, 133.229)

Have a look what the booklet for
CIELCh(37, 1.955, 133.229) contains.

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Color

CIELCh(37, 2.041, 134.587)

Conversions

Conversions Part 1

Format	Color
Hex	565855
RGB	86, 88, 85
RGB Percent	34%, 35%, 33%
CMY	0.6640, 0.6562, 0.6680
CMYK	0.02, 0.00, 0.03, 0.66
HSL	100°, 2%, 34%
HSV	100°, 3%, 34%
XYZ	8.8960, 9.5379, 9.8974
YIQ	87.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

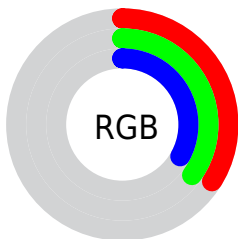
Format	Color
RYB	85, 88, 87
Decimal	5658709
CIELab	37.00, -1.43, 1.45
CIELCh	37, 2.041, 134.587
Yxy	9.5379, 0.3140, 0.3367
Android (android.graphics.Color)	4283848789 (0xFF565855)
YUV	87.0600, -1.0156, -0.9296
Hunter-Lab	30.8835, -2.6292, 2.6175

Details

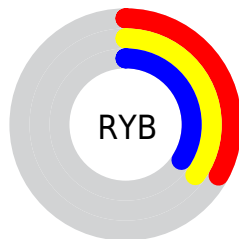
The CIELCh color $37, 2.041, 134.587$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $36, 2.057, 314.759$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 1.881, 134.653$, and $17, 2.298, 134.462$ is the 20% darker color. If you saturate the color by 10%, you get $36, 8.056, 134.156$, and if you desaturate by 10%, it is $38, 3.921, 314.886$.

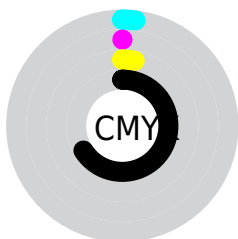
Distribution



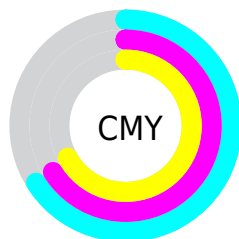
- Red (34%)
- Green (35%)
- Blue (33%)



- Red (33%)
- Yellow (35%)
- Blue (34%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (66%)



- Cyan (66%)
- Magenta (66%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 2.041, 134.587 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, 2.041, 134.587 by changing the saturation by 10% instead.

■ 37, 2.041, 134.587

■ 37, 2.041, 134.587

■ 100, 2.041,
134.587

■ 27, 2.041, 134.587

■ 57, 2.041, 134.587

■ 17, 2.041, 134.587

■ 67, 2.041, 134.587

■ 7, 2.041, 134.587

■ 77, 2.041, 134.587

■ 0, 2.041, 134.587

■ 87, 2.041, 134.587

■ 97, 2.041, 134.587

■ 37, 2.041, 134.587

■ 37, 2.041, 134.587

■ 36, 8.056, 134.156

■ 38, 3.921, 314.886

36, 14.086,
133.711

39, 9.807, 315.224

35, 20.081,
133.236

40, 15.598,
315.513

34, 25.976,
132.746

40, 21.282,
315.766

34, 31.679,
132.265

41, 26.850,
315.987

33, 37.066,
131.837

42, 32.299,
316.180

33, 41.971,
131.529

43, 37.627,
316.347

33, 46.187,
131.431

45, 42.834,
316.492

32, 49.638,
131.545

46, 47.922,
316.618

Harmonies

Complementary

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



37, 2.041, 134.587



36, 2.057, 314.759

Rectangle

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



37, 2.041, 134.587



37, 2.041, 184.587



37, 2.041, 314.587



37, 2.041, 4.587

Sweetspot

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



37, 2.042, 134.594



48, 0.740, 134.791



37, 1.297, 90.638



25, 0.424, 134.811



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 2.042, 134.594



48, 2.983, 134.558



37, 2.011, 149.283



17, 1.656, 134.546



39, 59.966, 131.800



82, 107.752, 132.712

Inverse Universe

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



36, 2.057, 314.759



47, 3.004, 314.794



36, 2.021, 329.498



17, 1.668, 314.805



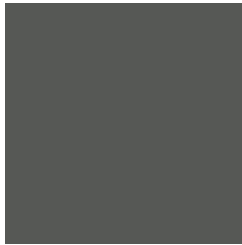
18, 63.445, 316.835



43, 113.249, 316.186

Previews

White Background



This preview shows how the CIELCh color 37, 2.041, 134.587 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, 2.041, 134.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

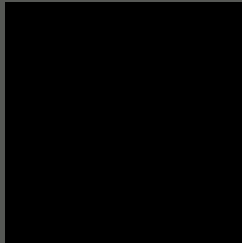
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

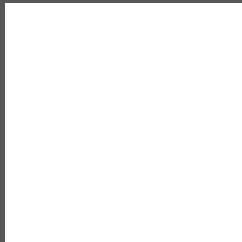
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 2.041, 134.587

Background



This preview shows how black text looks on a background with the CIELCh color 37, 2.041, 134.587.

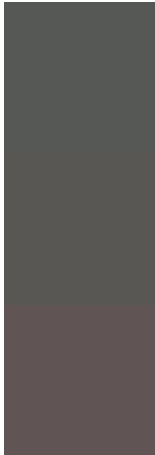


This preview shows how white text looks on a background with the CIELCh color 37, 2.041, 134.587.

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, 2.041, 134.587

Protanopia

37, 2.029, 84.691

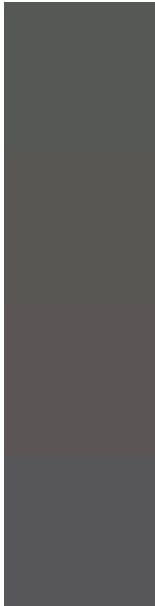
Deuteranopia

37, 5.258, 13.411



Tritanopia
37, 4.360, 296.324

Trichromacy



Original Color

37, 2.041, 134.587

Protanomaly

37, 1.890, 96.691

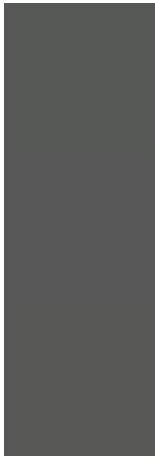
Deuteranomaly

37, 3.025, 19.738

Tritanomaly

37, 1.857, 290.497

Monochromacy



Original Color

37, 2.041, 134.587

Achromatopsia

37, 0.005, 296.813

Achromatomaly

37, 0.612, 110.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 2.041, 134.587 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(86, 88, 85)` looks like.

```
.text, #text, p{  
    color:rgb(86, 88, 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(86, 88, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 88, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 2.041, 134.587 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(86, 88, 85) }
```

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

```
.border{ border-color:rgb(86, 88, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 88, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 88, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 88, 85);  
box-shadow:4px 4px 4px 4px rgb(86, 88, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 2.041, 134.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 88, 85) }
```

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

```
.background{ background-color: rgb(86, 88,  
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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