

Converting Colors

CIELCh(36, 0.449, 343.515)

Have a look what the booklet for
CIELCh(36, 0.449, 343.515) contains.

CIELCh(36, 0.762, 324.319)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(36, 0.762, 324.319)

Conversions

Conversions Part 1

Format	Color
Hex	555455
RGB	85, 84, 85
RGB Percent	33%, 33%, 33%
CMY	0.6652, 0.6691, 0.6652
CMYK	0.00, 0.01, 0.00, 0.67
HSL	300°, 1%, 33%
HSV	300°, 1%, 33%
XYZ	8.6331, 9.0082, 9.9549
YIQ	84.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
RYB	85, 84, 85
Decimal	5592149
CIELab	36.00, 0.62, -0.44
CIELCh	36, 0.762, 324.319
Yxy	9.0082, 0.3128, 0.3264
Android (android.graphics.Color)	4283782229 (0xFF555455)
YUV	84.4130, 0.2894, 0.5148
Hunter-Lab	30.0136, -1.1800, 1.3441

Details

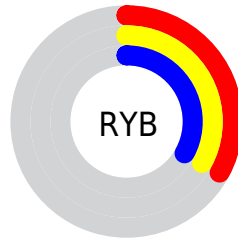
The CIELCh color $36, 0.762, 324.319$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $36, 0.751, 144.569$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 1.403, 324.383$, and $16, 0.858, 324.450$ is the 20% darker color. If you saturate the color by 10%, you get $33, 7.272, 324.983$, and if you desaturate by 10%, it is $39, 5.646, 144.033$.

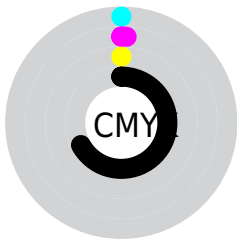
Distribution



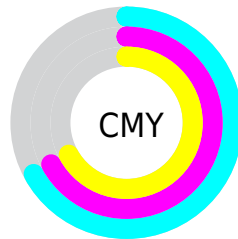
- Red (33%)
- Green (33%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (67%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 0.762, 324.319 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 36, 0.762, 324.319 by changing the saturation by 10% instead.

■ 36, 0.762, 324.319

■ 36, 0.762, 324.319

100, 0.762,
324.319

■ 26, 0.762, 324.319

■ 56, 0.762, 324.319

■ 16, 0.762, 324.319

■ 66, 0.762, 324.319

■ 6, 0.762, 324.319

■ 76, 0.762, 324.319

■ 0, 0.762, 324.319

■ 86, 0.762, 324.319

■ 96, 0.762, 324.319

■ 36, 0.762, 324.319

■ 36, 0.762, 324.319

■ 33, 7.272, 324.983

■ 39, 5.646, 144.033

31, 13.829,
325.493

41, 11.910,
143.541

29, 20.345,
325.987

44, 18.010,
143.075

26, 26.699,
326.460

47, 23.936,
142.632

24, 32.731,
326.899

49, 29.685,
142.212

23, 38.249,
327.291

52, 35.259,
141.816

21, 43.040,
327.624

55, 40.664,
141.444

20, 46.905,
327.887

57, 45.906,
141.096

19, 49.749,
328.078

60, 50.995,
140.771

Harmonies

Complementary

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



36, 0.762, 324.319



36, 0.751, 144.569

Rectangle

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



36, 0.762, 324.319



36, 0.762, 14.319



36, 0.762, 144.319



36, 0.762, 194.319

Sweetspot

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



36, 0.761, 324.318



47, 0.006, 296.813



36, 0.625, 290.336



24, 0.004, 296.813



75, 0.009, 296.813

Same Dimension

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



36, 0.761, 324.318



47, 0.815, 324.287



36, 0.534, 343.327



18, 0.369, 324.243



24, 61.035, 328.233



56, 108.500, 328.233

Inverse Universe

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



36, 0.761, 324.318



47, 0.815, 324.287



36, 0.526, 163.981



18, 0.369, 324.243



24, 61.035, 328.233



56, 108.500, 328.233

Previews

White Background



This preview shows how the CIELCh color 36, 0.762, 324.319 looks on a white background.

Color Contrast Check

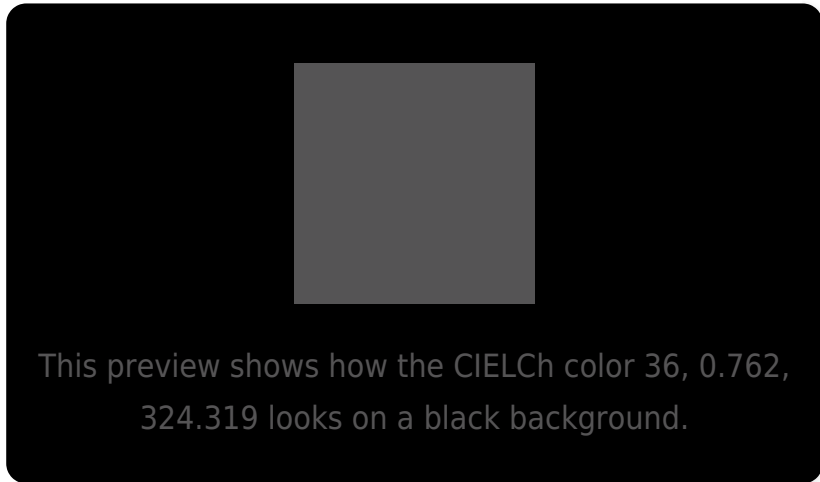
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

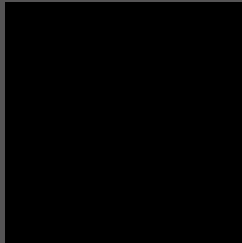
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

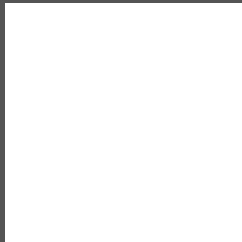
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 0.762, 324.319

Background



This preview shows how black text looks on a background with the CIELCh color 36, 0.762, 324.319.



This preview shows how white text looks on a background with the CIELCh color 36, 0.762, 324.319.

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


36, 0.762, 324.319

Protanopia

36, 1.065, 343.617

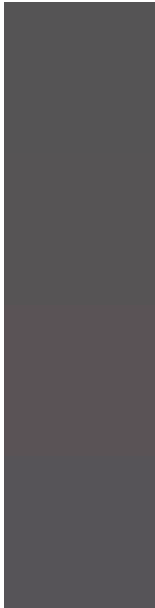
Deuteranopia

36, 4.979, 350.281



Tritanopia
36, 3.834, 303.377

Trichromacy



Original Color

36, 0.762, 324.319

Protanomaly

36, 1.065, 343.617

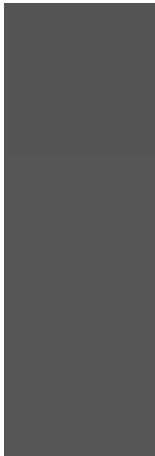
Deuteranomaly

36, 3.546, 348.251

Tritanomaly

36, 2.638, 309.226

Monochromacy



Original Color

36, 0.762, 324.319

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 0.005, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 0.762, 324.319 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(85, 84, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 84, 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(85, 84, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 84, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 0.762, 324.319 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(85, 84, 85) }
```

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

```
.border{ border-color:rgb(85, 84, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 84, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 84, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 84, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 84, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 0.762, 324.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 84, 85) }
```

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

```
.background{ background-color: rgb(85, 84,  
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](#).

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