

Converting Colors

CIELCh(36, 14.587, 99.620)

Have a look what the booklet for
CIELCh(36, 14.587, 99.620) contains.

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Color

CIELCh(36, 14.336, 98.378)

Conversions

Conversions Part 1

Format	Color
Hex	5A553E
RGB	90, 85, 62
RGB Percent	35%, 33%, 24%
CMY	0.6472, 0.6668, 0.7570
CMYK	0.00, 0.06, 0.31, 0.65
HSL	49°, 18%, 30%
HSV	49°, 31%, 35%
XYZ	8.3248, 9.0082, 5.8510
YIQ	83.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

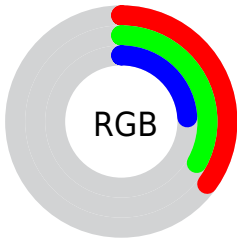
Format	Color
RYB	68, 90, 62
Decimal	5920062
CIELab	36.00, -2.09, 14.18
CIELCh	36, 14.336, 98.378
Yxy	9.0082, 0.3591, 0.3886
Android (android.graphics.Color)	4284110142 (0xFF5A553E)
YUV	83.8730, -10.7834, 5.3734
Hunter-Lab	30.0136, -3.0135, 9.4512

Details

The CIELCh color $36, 14.336, 98.378$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $29, 14.894, 285.620$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 14.357, 100.004$, and $16, 14.550, 97.472$ is the 20% darker color. If you saturate the color by 10%, you get $35, 18.927, 97.287$, and if you desaturate by 10%, it is $37, 9.718, 99.460$.

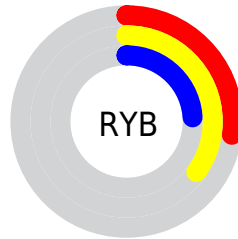
Distribution



Red (35%)

Green (33%)

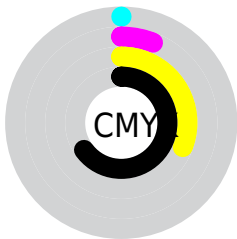
Blue (24%)



Red (27%)

Yellow (35%)

Blue (24%)

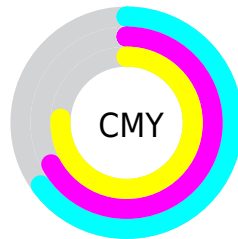


Cyan (0%)

Magenta (6%)

Yellow (31%)

Black (65%)



Cyan (65%)

Magenta (67%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 14.336, 98.378 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, 14.336, 98.378 by changing the saturation by 10% instead.

■ 36, 14.336, 98.378

■ 36, 14.336, 98.378

■ 100, 14.336,
98.378

■ 26, 14.336, 98.378

■ 56, 14.336, 98.378

■ 16, 14.336, 98.378

■ 66, 14.336, 98.378

■ 6, 14.336, 98.378

■ 76, 14.336, 98.378

■ 0, 14.336, 98.378

■ 86, 14.336, 98.378

■ 96, 14.336, 98.378

■ 36, 14.336, 98.378

■ 36, 14.336, 98.378

■ 35, 18.927, 97.287

■ 37, 9.718, 99.460

■ 35, 23.434, 96.180

■ 37, 5.103, 100.510

■ 34, 27.772, 95.068

■ 38, 0.509, 101.393

■ 34, 31.801, 93.954

■ 39, 4.053, 282.568

■ 33, 35.312, 92.835

■ 40, 8.577, 283.514

■ 32, 38.071, 91.699

■ 40, 13.061,
284.429

■ 32, 40.607, 90.756

■ 41, 17.504,
285.305

■ 42, 21.904,
286.140

■ 43, 26.264,
286.934

Harmonies

Complementary

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



36, 14.336, 98.378



29, 14.894, 285.620

Rectangle

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



36, 14.336, 98.378



36, 14.336, 148.378



36, 14.336, 278.378



36, 14.336, 328.378

Sweetspot

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



36, 14.337, 98.383



49, 5.135, 100.697



29, 13.240, 7.666



24, 3.533, 100.598



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 14.337, 98.383



46, 21.204, 97.609



37, 17.534, 120.803



18, 2.611, 100.741



39, 46.553, 90.412



80, 81.599, 89.480

Inverse Universe

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



29, 14.894, 285.620



35, 22.276, 286.793



28, 18.545, 304.302



17, 2.642, 282.636



13, 61.715, 301.885



34, 114.705, 303.476

Previews

White Background



This preview shows how the CIELCh color 36, 14.336, 98.378 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 36, 14.336, 98.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

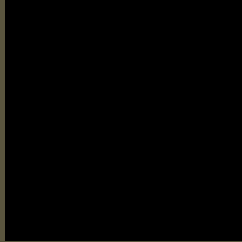
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

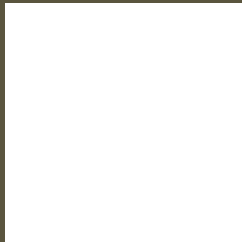
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 14.336, 98.378

Background



This preview shows how black text looks on a background with the CIELCh color 36, 14.336, 98.378.

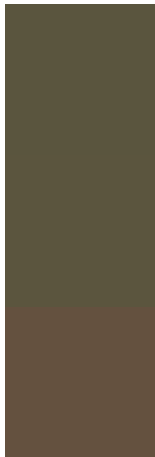


This preview shows how white text looks on a background with the CIELCh color 36, 14.336, 98.378.

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, 14.336, 98.378

Protanopia

36, 14.424, 96.527

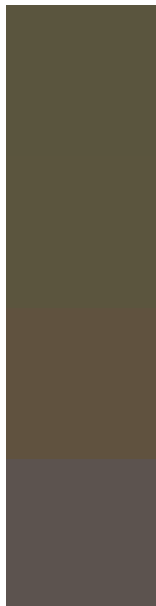
Deuteranopia

36, 14.468, 69.711



Tritanopia
36, 6.014, 342.125

Trichromacy



Original Color
36, 14.336, 98.378

Protanomaly
36, 14.424, 96.527

Deuteranomaly
36, 13.558, 78.968

Tritanomaly
36, 4.690, 51.571

Monochromacy



Original Color
36, 14.336, 98.378

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 5.026, 99.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 14.336, 98.378 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(90, 85, 62)` looks like.

```
.text, #text, p{  
    color:rgb(90, 85, 62)  
}
```

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(90, 85, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 85, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 14.336, 98.378 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(90, 85, 62) }
```

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

```
.border{ border-color:rgb(90, 85, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 85, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 85, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 85, 62);  
box-shadow:4px 4px 4px 4px rgb(90, 85, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 14.336, 98.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 85, 62) }
```

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

```
.background{ background-color: rgb(90, 85,  
62) }
```

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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