

Converting Colors

CIELCh(36, 19.648, 131.122)

Have a look what the booklet for
CIELCh(36, 19.648, 131.122)
contains.

CIELCh(36, 19.527, 131.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 19.527, 131.810)

Conversions

Conversions Part 1

Format	Color
Hex	485A3D
RGB	72, 90, 61
RGB Percent	28%, 35%, 24%
CMY	0.7180, 0.6474, 0.7611
CMYK	0.20, 0.00, 0.32, 0.65
HSL	97°, 19%, 30%
HSV	97°, 32%, 35%
XYZ	7.1551, 9.0082, 5.7650
YIQ	81.3120, -1.4190, -12.8350

Conversions

Conversions Part 2

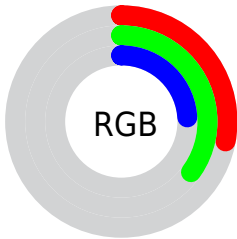
Format	Color
RYB	61, 90, 79
Decimal	4741693
CIELab	36.00, -13.02, 14.55
CIELCh	36, 19.527, 131.810
Yxy	9.0082, 0.3263, 0.4108
Android (android.graphics.Color)	4282931773 (0xFF485A3D)
YUV	81.3120, -10.0138, -8.1666
Hunter-Lab	30.0136, -9.9701, 9.6211

Details

The CIELCh color **36, 19.527, 131.810** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 20.117, 314.469**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 19.275, 131.965**, and **16, 19.613, 131.984** is the 20% darker color. If you saturate the color by 10%, you get **35, 25.477, 131.343**, and if you desaturate by 10%, it is **37, 13.485, 132.269**.

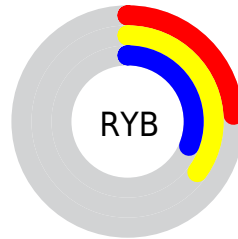
Distribution



Red (28%)

Green (35%)

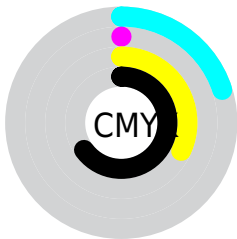
Blue (24%)



Red (24%)

Yellow (35%)

Blue (31%)

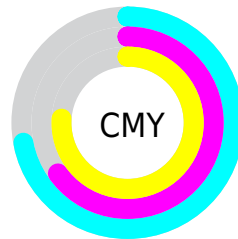


Cyan (20%)

Magenta (0%)

Yellow (32%)

Black (65%)



Cyan (72%)


Magenta (65%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 19.527, 131.810 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, 19.527, 131.810 by changing the saturation by 10% instead.


 36, 19.527,
131.810


 36, 19.527,
131.810

 100, 19.527,
131.810


 26, 19.527,
131.810

 56, 19.527,
131.810


 16, 19.527,
131.810


 66, 19.527,
131.810

 6, 19.527, 131.810

 76, 19.527,
131.810

 0, 19.527, 131.810

 86, 19.527,
131.810

 96, 19.527,
131.810

■ 36, 19.527,
131.810

■ 36, 19.527,
131.810

■ 35, 25.477,
131.343

■ 37, 13.485,
132.269

■ 35, 31.244,
130.891

■ 37, 7.410, 132.704

■ 38, 1.351, 133.153

■ 34, 36.710,
130.497

■ 39, 4.660, 313.429

■ 34, 41.712,
130.229

■ 40, 10.597,
313.762

■ 34, 46.044,
130.175

■ 41, 16.445,
314.053

■ 33, 49.555,
130.391

■ 41, 22.191,
314.309

■ 33, 52.221,
130.383

■ 42, 27.828,
314.534

■ 43, 33.351,
314.731

Harmonies

Complementary

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



36, 19.527, 131.810



29, 20.117, 314.469

Rectangle

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



36, 19.527, 131.810



36, 19.527, 181.810



36, 19.527, 311.810



36, 19.527, 1.810

Sweetspot

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



36, 19.528, 131.811



48, 7.528, 132.785



34, 12.367, 83.030



24, 5.085, 132.749



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, 19.528, 131.811



46, 29.312, 131.436



35, 20.266, 145.623



18, 3.444, 132.847



41, 60.264, 130.765



83, 107.363, 131.712

Inverse Universe

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



29, 20.117, 314.469



35, 30.431, 314.804



30, 20.294, 329.538



17, 3.476, 313.494



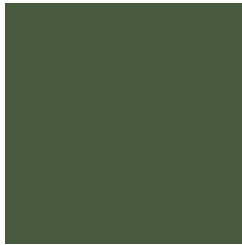
17, 65.082, 315.489



42, 115.265, 314.818

Previews

White Background



This preview shows how the CIELCh color 36, 19.527, 131.810 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, 19.527, 131.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

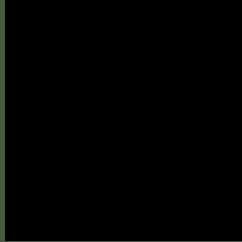
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 19.527, 131.810

Background



This preview shows how black text looks on a background with the CIELCh color 36, 19.527, 131.810.



This preview shows how white text looks on a background with the CIELCh color 36, 19.527, 131.810.

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](#).

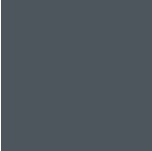
Dichromacy



Original Color
36, 19.527, 131.810

Protanopia
36, 15.747, 95.383

Deuteranopia
36, 14.468, 69.711



Tritanopia
36, 5.582, 250.443

Trichromacy



Original Color
36, 19.527, 131.810

Protanomaly
36, 15.961, 110.851

Deuteranomaly
36, 13.854, 96.141

Tritanomaly
36, 6.345, 162.611

Monochromacy



Original Color
36, 19.527, 131.810

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 6.770, 132.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 19.527, 131.810 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(72, 90, 61)` looks like.

```
.text, #text, p{  
    color:rgb(72, 90, 61)  
}
```

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(72, 90, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 90, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 19.527, 131.810 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(72, 90, 61) }
```

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

```
.border{ border-color:rgb(72, 90, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 90, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 90, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 90, 61);  
box-shadow:4px 4px 4px 4px rgb(72, 90, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 19.527, 131.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 90, 61) }
```

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

```
.background{ background-color: rgb(72, 90,  
61) }
```

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