

Converting Colors

CIELCh(36, 21.622, 170.439)

Have a look what the booklet for
CIELCh(36, 21.622, 170.439)
contains.

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Color

CIELCh(36, 21.865, 169.534)

Conversions

Conversions Part 1

Format	Color
Hex	2B5E4E
RGB	43, 94, 78
RGB Percent	17%, 37%, 31%
CMY	0.8325, 0.6325, 0.6952
CMYK	0.54, 0.00, 0.17, 0.63
HSL	161°, 37%, 27%
HSV	161°, 54%, 37%
XYZ	6.3268, 9.0082, 8.5617
YIQ	76.9270, -25.2600, -15.7880

Conversions

Conversions Part 2

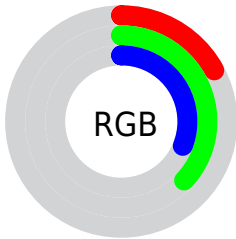
Format	Color
R_{YB}	43, 73, 94
Decimal	2842190
CIE Lab	36.00, -21.50, 3.97
CIE LCh	36, 21.865, 169.534
Yxy	9.0082, 0.2648, 0.3770
Android (android.graphics.Color)	4281032270 (0xFF2B5E4E)
YUV	76.9270, 0.5290, -29.7540
Hunter-Lab	30.0136, -14.8965, 4.0964




Details

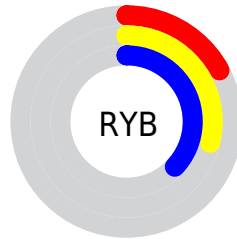
The CIELCh color **36, 21.865, 169.534** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 25.220, 1.793**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 21.968, 169.317**, and **16, 19.697, 167.991** is the 20% darker color. If you saturate the color by 10%, you get **36, 25.105, 168.195**, and if you desaturate by 10%, it is **37, 18.295, 170.745**.

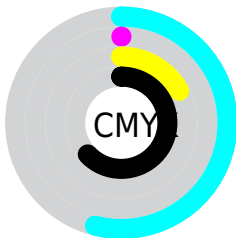
Distribution







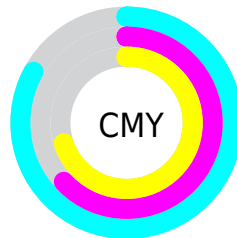
-  Red (17%)
-  Green (37%)
-  Blue (31%)






-  Red (17%)
-  Yellow (29%)
-  Blue (37%)



-  Cyan (54%)
-  Magenta (0%)
-  Yellow (17%)
-  Black (63%)





-  Cyan (83%)
-  Magenta (63%)
-  Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 21.865, 169.534 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, 21.865, 169.534 by changing the saturation by 10% instead.


 36, 21.865,
169.534


 36, 21.865,
169.534

 100, 21.865,
169.534


 26, 21.865,
169.534

 56, 21.865,
169.534


 16, 21.865,
169.534


 66, 21.865,
169.534

 6, 21.865, 169.534

 76, 21.865,
169.534

 0, 21.865, 169.534

 86, 21.865,
169.534

 96, 21.865,
169.534

■ 36, 21.865,
169.534

■ 36, 21.865,
169.534

■ 36, 25.105,
168.195

■ 37, 18.295,
170.745

■ 35, 27.966,
166.711

■ 37, 14.454,
171.852

■ 35, 30.421,
165.064

■ 38, 10.403,
172.873

■ 35, 32.524,
163.298

■ 39, 6.204, 173.829

■ 35, 33.688,
162.387

■ 39, 1.913, 174.804

■ 40, 2.423, 355.371

■ 41, 6.764, 356.221

■ 42, 11.080,
356.976

■ 43, 15.346,

Harmonies

Complementary

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



36, 21.865, 169.534



25, 25.220, 1.793

Rectangle

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



36, 21.865, 169.534



36, 21.865, 219.534



36, 21.865, 349.534



36, 21.865, 39.534

Sweetspot

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



36, 21.865, 169.533



50, 8.559, 173.634



36, 34.213, 132.682



25, 5.718, 173.515



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



36, 21.865, 169.533



46, 31.274, 167.821



33, 15.280, 220.512



18, 2.377, 174.356



41, 37.887, 161.934



84, 68.425, 160.423

Inverse Universe

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



25, 25.220, 1.793



30, 37.055, 4.560



27, 22.496, 38.461



17, 2.432, 355.731



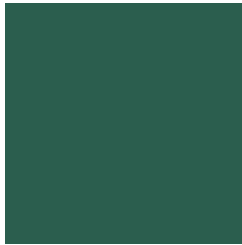
22, 46.212, 16.936



50, 82.898, 20.876

Previews

White Background



This preview shows how the CIELCh color 36, 21.865, 169.534 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 36, 21.865, 169.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

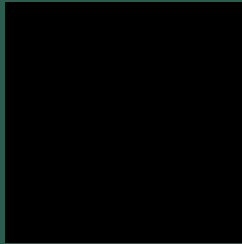
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 21.865, 169.534

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.865, 169.534.



This preview shows how white text looks on a background with the CIELCh color 36, 21.865, 169.534.

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, 21.865, 169.534

Protanopia

36, 7.035, 94.194

Deuteranopia

36, 5.785, 26.311



Tritanopia
36, 15.188, 214.415

Trichromacy



Original Color
36, 21.865, 169.534

Protanomaly
36, 10.660, 148.971

Deuteranomaly
35, 6.447, 156.125

Tritanomaly
36, 16.291, 195.093

Monochromacy



Original Color
36, 21.865, 169.534

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 8.494, 171.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.865, 169.534 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(43, 94, 78)` looks like.

```
.text, #text, p{  
    color:rgb(43, 94, 78)  
}
```

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(43, 94, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 94, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.865, 169.534 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(43, 94, 78) }
```

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

```
.border{ border-color:rgb(43, 94, 78) }
```

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

Here you see how a box with a 4 pixel rgb(43, 94, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 94, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 94, 78);  
box-shadow:4px 4px 4px 4px rgb(43, 94, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.865, 169.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 94, 78) }
```

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

```
.background{ background-color: rgb(43, 94,  
78) }
```

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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