

Converting Colors

CIELCh(36, 21.977, 116.186)

Have a look what the booklet for
CIELCh(36, 21.977, 116.186)
contains.

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Color

CIELCh(36, 21.486, 115.497)

Conversions

Conversions Part 1

Format	Color
Hex	515835
RGB	81, 88, 53
RGB Percent	32%, 35%, 21%
CMY	0.6819, 0.6545, 0.7918
CMYK	0.08, 0.00, 0.40, 0.65
HSL	72°, 25%, 28%
HSV	72°, 40%, 35%
XYZ	7.5452, 9.0082, 4.7209
YIQ	81.9170, 7.0630, -12.3690

Conversions

Conversions Part 2

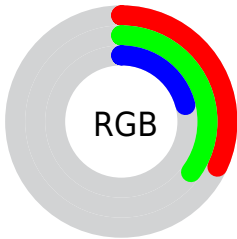
Format	Color
R_{YB}	53, 88, 60
Decimal	5330997
CIE _{Lab}	36.00, -9.25, 19.39
CIE _{LCh}	36, 21.486, 115.497
Yxy	9.0082, 0.3547, 0.4234
Android (android.graphics.Color)	4283521077 (0xFF515835)
YUV	81.9170, -14.2561, -0.8042
Hunter-Lab	30.0136, -7.6502, 11.6836

Details

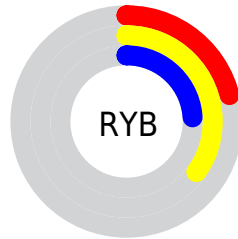
The CIELCh color **36, 21.486, 115.497** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 23.383, 301.174**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 21.657, 115.509**, and **16, 21.540, 115.331** is the 20% darker color. If you saturate the color by 10%, you get **36, 26.612, 114.917**, and if you desaturate by 10%, it is **36, 16.190, 116.121**.

Distribution



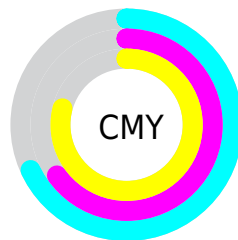
- Red (32%)
- Green (35%)
- Blue (21%)



- Red (21%)
- Yellow (35%)
- Blue (24%)



- Cyan (8%)
- Magenta (0%)
- Yellow (40%)
- Black (65%)




- Cyan (68%)
- Magenta (65%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 21.486, 115.497 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, 21.486, 115.497 by changing the saturation by 10% instead.


 36, 21.486,
115.497


 36, 21.486,
115.497

 100, 21.486,
115.497


 26, 21.486,
115.497

 56, 21.486,
115.497

 16, 21.486,
115.497


 66, 21.486,
115.497

 6, 21.486, 115.497

 76, 21.486,
115.497

 0, 21.486, 115.497

 86, 21.486,
115.497

 96, 21.486,
115.497

■ 36, 21.486,
115.497

■ 36, 21.486,
115.497

■ 36, 26.612,
114.917

■ 36, 16.190,
116.121

■ 35, 31.464,
114.407

■ 37, 10.789,
116.757

■ 35, 35.902,
114.017

■ 37, 5.331, 117.391

■ 35, 39.736,
113.811

■ 37, 0.152, 297.968

■ 38, 5.635, 298.607

■ 35, 42.758,
113.857

■ 38, 11.104,
299.180

■ 35, 45.594,
113.912

■ 39, 16.544,
299.723

■ 35, 45.674,
113.911

■ 39, 21.947,
300.235

■ 40, 27.306,
300.716

Harmonies

Complementary

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



36, 21.486, 115.497



24, 23.383, 301.174

Rectangle

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



36, 21.486, 115.497



36, 21.486, 165.497



36, 21.486, 295.497



36, 21.486, 345.497

Sweetspot

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



36, 21.487, 115.499



48, 8.170, 117.223



28, 14.599, 39.341



24, 5.462, 117.179



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, 21.487, 115.499



46, 31.942, 114.925



35, 24.156, 133.938



17, 3.024, 117.453



42, 52.407, 114.169



87, 93.441, 114.872

Inverse Universe

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



24, 23.383, 301.174



29, 35.694, 302.212



26, 24.821, 317.297



16, 3.079, 298.561



11, 69.248, 307.620



31, 123.928, 307.158

Previews

White Background



This preview shows how the CIELCh color 36, 21.486, 115.497 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, 21.486, 115.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

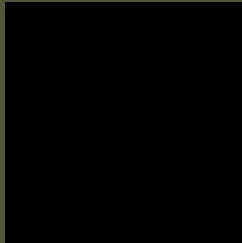
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 21.486, 115.497

Background



This preview shows how black text looks on a background with the CIELCh color 36, 21.486, 115.497.



This preview shows how white text looks on a background with the CIELCh color 36, 21.486, 115.497.

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, 21.486, 115.497

Protanopia

36, 20.437, 97.226

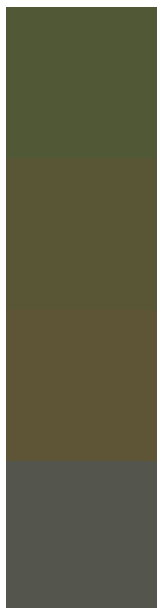
Deuteranopia

36, 19.224, 75.281



Tritanopia
36, 3.834, 303.377

Trichromacy



Original Color
36, 21.486, 115.497

Protanomaly
36, 20.711, 104.031

Deuteranomaly
36, 19.051, 92.356

Tritanomaly
36, 4.970, 114.419

Monochromacy



Original Color
36, 21.486, 115.497

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 8.104, 115.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 21.486, 115.497 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(81, 88, 53)` looks like.

```
.text, #text, p{  
    color:rgb(81, 88, 53)  
}
```

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(81, 88, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 88, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 21.486, 115.497 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(81, 88, 53) }
```

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

```
.border{ border-color:rgb(81, 88, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 88, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 88, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 88, 53);  
box-shadow:4px 4px 4px 4px rgb(81, 88, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 21.486, 115.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 88, 53) }
```

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

```
.background{ background-color: rgb(81, 88,  
53) }
```

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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